



**BOEING REALTY CORPORATION  
FORMER C-6 FACILITY  
LOS ANGELES, CALIFORNIA**

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**TECHNICAL MEMORANDUM**

**Quarterly Report No. 4**

**Third Quarter 2002**

**Extended Soil Vapor Extraction Pilot Testing and  
Interim Action Full-Scale System Implementation**

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**To:** Mr. Brian Mossman  
Boeing Realty Corporation  
3855 Lakewood Blvd.  
Building 1A MC D001-0097  
Long Beach, CA 90846

**From:** Haley & Aldrich, Inc.

**Date:** October 30, 2002

**Re:** Quarterly Report No. 4, Third Quarter 2002, Extended Soil Vapor Extraction Pilot Testing and Interim Action Full-Scale System Implementation, Boeing Realty Corporation, Former C-6 Facility – Parcel C, Los Angeles, California

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Haley & Aldrich, Inc. has prepared this technical memorandum to summarize extended soil vapor extraction (SVE) pilot test activities and interim action full-scale system implementation conducted at the former Boeing C-6 Facility (subject property), in Los Angeles, California. Two SVE systems are currently present on the subject property, a interim action full-scale SVE system in the former Building 1/36 area and an extended duration pilot system in the former Building 2 area (Figure 1).

The former Building 1/36 SVE system was not operated during the third quarter of 2002 due to system modification. As a result, no new operational data is presented in this report. The former Building 2 SVE pilot system was operated during the third quarter of 2002 for volatile organic compound (VOC) mass removal. This technical memorandum summarizes system operations, field measurements, vapor sampling and analysis, mass removal, extraction well optimization, and planned future SVE activities.

#### **BACKGROUND**

Laboratory results for soil samples collected in the former Building 1/36 and Building 2 areas at the subject property indicated the presence of VOCs at depth requiring remediation to prevent possible impact to groundwater. Based on the results of the investigation, shallow occurrences of impacted soil (less than 12 feet below ground surface) were excavated and disposed of at an approved facility. SVE was recommended for the remediation of deep impacted soil. Haley & Aldrich was contracted by BRC to install and operate two extended SVE pilot tests to obtain data for the evaluation of using SVE as a full-scale remedy. Workplans for the pilot test activities in the

Building 1/36 and Building 2 areas were submitted and approved by the Regional Water Quality Control Board, Los Angeles Region (LARWQCB) in May and September 2001, respectively.

Initial pilot testing was completed in the Building 1/36 area in March 2002. A workplan for the implementation of the interim action full-scale SVE system was submitted and approved by the LARWQCB in October 2001. An interim action SVE system was installed in the Building 1/36 area in April 2002, operated for approximately 21 days, and was shut down in June 2002, pending system modifications.

### FORMER BUILDING 1/36

Site grading began in October 2001 in the vicinity of the SVE pilot test system; therefore all of the initial wells were abandoned. At the end of November 2001, one dual-completion well (1-VEW-24A and B) was re-installed and the pilot test system was re-started on December 13, 2001. An additional forty-one dual and single completion wells (1-VEW-1 through 1-VEW-26) were installed during the month of January 2002 as part of the interim action SVE system implementation. The location of the Building 1/36 SVE system is shown in Figure 1. The well field layout, including well screen depths is shown on Figure 2.

The Building 1/36 interim action SVE system consists of forty-three 3-inch diameter, single and dual-completion, SVE wells, a trailer-mounted, 1,000-standard cubic feet per minute (scfm) blower system, three 8,000-lb granular activated carbon (GAC) vapor control vessels (primary, secondary, and stand-by), and associated piping. Haley & Aldrich began system operation on May 15, 2002.

During the second quarter of 2002, the system operated with an up-time efficiency of approximately 35% and removed a total of approximately 4,196 lbs. of VOCs. On June 7, 2002, the system shut down due to apparent vandalism. The remediation progress prior to system shut down is shown in Figure 3. Exothermic reactions on the GAC beds continued until June 12, when upon discovery, the beds over-heated and were quenched with water. Due to the GAC bed overheating, system damage occurred that required repair prior to re-start. GAC was removed from all three vessels on June 13, 2002 and the system remains off pending corrective measures.

### THIRD QUARTER 2002 SVE OPERATION SUMMARY – FORMER BUILDING 1/36

Days of Operations	0
Available Days of Operation	0
Operational Time (%)	0
Mass Removed during Period (lbs)	0
Cumulative Mass Removed (lbs) (July '01-Sept '02)	9,189

### OPERATIONS INFORMATION – FORMER BUILDING 1/36

Operational data and VOC mass removal for the SVE system are tabulated and shown graphically in Attachment 1.

The system did not operate during this quarter due to system modifications being made to address GAC overheating. The historical system operation is shown in Attachment 1, Graph 1.

The monthly and cumulative mass of VOCs removed by the Building 1/36 system is shown in Attachment 1, Graph 2. Since July 2, 2001 (initial small-scale pilot test start-up) approximately 9,189 lbs. of VOCs have been extracted during approximately 3,873 hours of initial and expanded SVE pilot test operation. Operation of the SVE system is in compliance with the site-specific permit from the South Coast Air Quality Management District

(SCAQMD).

## FIELD MEASUREMENTS – FORMER BUILDING 1/36

Historical VOC concentrations were measured with a photo-ionization detector (PID) or flame-ionization detector (FID), calibrated to 100 parts per million by volume (ppmv) hexane, at the undiluted inlet, diluted inlet, between the GAC vessels, and at the exhaust stack. Historical flowrates were measured with a hand-held TSI Veloci-clac Plus hot-wire anemometer or direct reading pitot tube. Additional historical measurements were collected during operation including vacuum readings at each extraction well, pressures at the GAC vessels, and blower exhaust temperature. The field influent VOC concentration measurements, since the new well installation in January 2002, are plotted in Attachment 1, Graph 3.

## VAPOR SAMPLING AND ANALYSIS– FORMER BUILDING 1/36

For this period, no vapor samples were collected due to system shut-down. Laboratory results of influent concentrations, since the new well installation in January 2002, are shown in Attachment 1, Table 1. The results of the historical vapor sampling for the system are summarized in Attachment 1, Tables 2 and 3.

## EXTRACTION WELL OPTIMIZATION – FORMER BUILDING 1/36

Well optimization was conducted during system start-up. One round of VOC concentrations was measured by FID at each extraction well at various flowrates during this quarter. These data were used to establish the flow regime under which maximum VOC concentrations can be extracted from the wells. Optimization curves for the 41 wells are included in Attachment 1. Extraction wells were operated in May-June (within permit limitations) for approximately one month at flow regimes generating the maximum concentration per flowrate.

## ACTIVITIES FOR NEXT QUARTER – FORMER BUILDING 1/36

The SVE system is being retrofitted with a granular activated carbon (GAC) water quench system to control methyl ethyl ketone (MEK) heat generation. Procurement and installation of retrofit features are currently underway. During September, bids were obtained and evaluated for system modification, vessel retrofits, and modification installation. System re-start is currently scheduled for early December, 2002.

A Fourth Quarter 2002 report summarizing activities during the period October 2002 through December 2002 will be prepared and submitted in January 2003.

## FORMER BUILDING 2

The Building 2 extended pilot test system consists of seventeen 2-inch diameter, PVC, single and dual-completion SVE wells, a trailer-mounted, 800-actual cubic feet per minute (acf m) blower system, two 3,000-lb GAC vapor control vessels (primary and secondary), and associated piping. Haley & Aldrich installed the initial pilot test wells in September 2001 and began system operation on November 27, 2001. Three additional extraction wells (2-VEW-18 through 2-VEW-20) were installed on August 1, 2002. One additional extraction well (2-VEW-21) was installed near the well currently producing the highest VOC concentrations (2-VEW-1B) on September 23, 2002.

Although 2-VEW-1B contains sustained elevated VOC concentrations, the mass removal rate is less than 1.0 pound per day due to very low flow. It is suspected that the low flow and low mass removal rate is due to the presence of a clay lens in the area.

The location of the Building 2 pilot test is shown in Figure 1. The well field layout, including well screen depths is shown on Figure 4.

Operations for the third quarter 2002 covered the period July 1, 2002 through September 30, 2002. During this period, the system operated with an up-time efficiency of 97% and removed a total of approximately 260 lbs. of VOCs. Three GAC changeouts, 3,000 lbs. each, were completed during this period on July 17, August 28, and September 27, 2002.

### THIRD QUARTER 2002 SVE OPERATION SUMMARY – FORMER BUILDING 2

Days of Operations	92
Available Days of Operation	92
Operational Time (%)	97
Mass Removed during Period (lbs.)	260
Cumulative Mass Removed (lbs.) (Nov'01-Sept'02)	2,867

### OPERATIONS INFORMATION – FORMER BUILDING 2

Operational data and VOC mass removal for the extended SVE pilot test system are tabulated and shown graphically in Attachment 2. The system operation timeline for the period is as follows:

- July 16, 2002 System shutdown, upon receipt of laboratory data
- July 17, 2002 System shutdown, one GAC vessel was changed out (3,000 lbs), system restarted
- July 23, 2002 System shutdown, hoses switched and readings taken for clarification on primary vessel, system restarted
- July 26, 2002 System shutdown, blower oil change, system restarted
- July 30, 2002 System shutdown, hoses switched back to original position, System restarted
- August 1, 2002 Wells 2-VEW-18, -19, and -20 added to system to enhance VOC recovery
- August 27, 2002 System shutdown
- August 28, 2002 One GAC vessel was changed out (3,000 lbs), system restarted
- September 21, 2002 Well 2-VEW-21 was added to the system
- September 27, 2002 One GAC vessel was changed out (3,000 lbs), system restarted

Total days of operation for this period was approximately 92 with intermittent downtime due to GAC changeout. This equates to an up-time of approximately 97 percent when compared with the days available for operation as shown in Attachment 2, Graph 4.

During the period, VOC vapors were drawn from 2-VEW-1B, 3B, 4, 6, 7B, 8B, 9, 10A, 10B, 11B, 12, 13B, 14B, 15B, 16B, 18, 19, 20, and 21 at optimized flow rates for maximum concentrations and mass removal rates. Individual optimal SVE well flow rates ranged from approximately 10 to 150 scfm for a total flow rate from the well field of 555 to 640 scfm. Well optimization is discussed further below. The system operated without dilution during the third quarter with inlet vacuums ranging from 53 to 67 inches water column.

For this reporting period, approximately 260 lbs. of VOCs were extracted from the SVE wells and treated with GAC during 2,141 hours of operation. Since November 27, 2001 approximately 2,867 lbs. of VOCs have been extracted during approximately 6,775 hours of operation.

## AIR PERMIT COMPLIANCE ISSUES

The compounds 1,1-Dichloroethene (1,1-DCE) and Chloroform were detected in an exhaust sample collected on August 15, 2002 in concentrations of 2.6 parts per million by volume (ppmv) and 0.86 ppmv, respectively. The allowable concentrations for 1,1-DCE and Chloroform as defined by Condition 12 of permit A/N 401433 were 0.005 ppmv and 0.04 ppmv, respectively. The SVE system was shut down after the analytical results were received and fresh activated carbon was placed in the primary vessel in compliance with Condition 13.

A maximum individual cancer risk (MICR) calculation was performed as outlined by Condition 15 of permit A/N 401433. The results of this calculation, reported in the Toxic Risk Assessment for Building 2 SVE Extended Pilot Test System (Haley & Aldrich, 2002), indicate that the total MICR for all pollutants detected in the August 15, 2002 exhaust samples is 1.08E-06 (or approximately 1 in one million). This value was calculated for a worker approximately 25 meters away from the system. The calculated MICR for the nearest residential receptor is 6.55E-08 (or approximately 0.07 in one million). This value was calculated for a residential receptor at 500 meters. Both of these numbers are less than the SCAQMD specified toxic risk of ten in a million, therefore system shut down and re-permitting was not necessary.

## FIELD MEASUREMENTS – FORMER BUILDING 2

VOC concentrations were measured with a PID and/or FID, calibrated to 100 ppmv hexane, as per the SCAQMD permit requirements, at the undiluted inlet, diluted inlet, between the GAC vessels, and at the exhaust stack. Flowrates were measured with a hand-held TSI Veloci-calc Plus hot-wire anemometer or by measuring the pressure differential across an orifice plate. Additional measurements were collected during operation including vacuum readings at each extraction well, pressures at the GAC vessels, and blower exhaust temperature. The field influent VOC measurements are plotted in Attachment 2, Graph 5.

## VAPOR SAMPLING AND ANALYSIS – FORMER BUILDING 2

For this period, twelve vapor samples were collected in Tedlar bags from the process air stream (inlet to primary GAC vessel and exhaust from the secondary GAC vessel) and delivered to a state-certified laboratory for analysis. These samples were collected for SCAQMD permit compliance as well as system performance evaluation. The vapor samples were collected using a Tedlar bag in a vacuum case. Laboratory analyses were conducted on vapor grab samples using EPA Method 8260B/TO-14A. The full results of the vapor sampling are summarized in Attachment 2, Tables 4, 5, and 6.

Based on the results of the laboratory analysis of vapor grab samples, maximum inlet VOC concentrations as parts per billion by volume (ppbv) for the period are as follows:

• Trichloroethene (TCE)	4,900 ppbv
• 1,1 Dichloroethene (1,1 DCE)	830 ppbv
• Chloroform	760 ppbv
• Toluene	220 ppbv
• Tetrachloroethene (PCE)	180 ppbv
• Xylene	83 ppbv
• Trichloroethane (1,1,1 TCA)	75 ppbv
• Methyl Tert-Butyl Ether	65 ppbv
• Benzene	33 ppbv
• Carbon tetrachloride	27 ppbv

• Cis-1,2 Dichloroethene (cis-1,2-DCE)	25 ppbv
• 1,1 Dichloroethane (1,1-DCA)	24 ppbv
• Trichlorofluoromethane	21 ppbv
• Ethylbenzene	20 ppbv
• Methylene Chloride	12 ppbv
• Dichlorodifluoromethane	9 ppbv

Reported influent concentrations varied during the period due to system optimization efforts.

### **EXTRACTION WELL OPTIMIZATION – FORMER BUILDING 2**

Data collection and adjustment of extraction well flow rates began in November 2001. Well optimization continued during the third quarter of 2002 for new wells that were completed and brought on-line. One round of VOC concentrations was measured at each new extraction well by PID at various flowrates during this quarter. Well flow versus concentration optimization curves are included in Attachment 2. These data were used to establish the flow regime under which maximum VOC concentrations can be extracted from the wells. Nineteen extraction wells exhibiting higher VOC concentrations were operated in July through September (within permit limitations) at flow regimes generating the maximum concentration per flowrate. Wells exhibiting lower concentrations, which do not significantly contribute to mass removal, were closed so that the available SVE system flow capacity could be used for the higher concentration wells. Well optimization curves for each of the wells completed during the third quarter were plotted and are included in Attachment 2. Figure 5 illustrates the remediation progress since November 2001.

### **ESTIMATED SVE OPERATION DURATION – FORMER BUILDING 2**

To predict the asymptotic VOC concentrations and identify the time at which continued operation becomes impractical, a regression analysis of available data was performed and refined. Tabulated calculations for the regression analysis are presented in Attachment 2, Table 7.

Undiluted influent vapor concentration data was used in the regression analysis to estimate the remaining period of operation for the Building 2 SVE system, based on concentration targets. The analysis was conducted according to the following regression equation:

An average rate constant (k) for the group was calculated as follows:

$$C_t = C_0 e^{(-kt)}$$

Where:

$C_t$  = concentration (ppmV) at time  $t$  (days)

$C_0$  = initial regressed concentration (ppmV)

Based on data collected through the end of September 2002, a 90% reduction in the initial regressed influent concentrations occurred in April 2002 (Graph 7). A 99% reduction in the initial regressed well concentrations was recorded in July and August 2002.

### **EXTENDED PILOT TEST PERFORMANCE VERIFICATION SOIL SAMPLING – FORMER BUILDING 2**

In August and September 2002, Haley & Aldrich collected soil samples in the vicinity of selected previous Building 2 soil characterization sampling locations within the SVE wellfield to evaluate in-situ soil concentration reductions. Samples were collected from borings advanced with hollow-stem auger drilling equipment and submitted to a State-certified analytical laboratory for analysis by EPA Method 8260B in accordance with draft standard operating procedures for SVE closure monitoring (Hargis, 2002). Concentrations of TCE detected in confirmation samples were compared with pre-remediation concentrations to evaluate the effectiveness of the extended pilot test SVE system as illustrated in Figure 6. A summary of the analytical results for TCE in pre-pilot test Building 2 soil borings and recent soil sampling locations are shown in Attachment 2, Table 8. The certified analytical reports and boring logs will be included in the Building 2 Deep Soil Remediation Final Report.

Based on the results of the laboratory analyses of soil samples collected from pilot test confirmation borings near the above locations, TCE concentrations ranged from non-detectable to 380 ug/kg. The observed concentration reduction was approximately 98% or greater in most cases demonstrating the effectiveness of SVE operation.

Four of the six borings advanced were converted to vapor extraction wells (2-VEW-18 through 2-VEW-21) to increase subsurface airflow around SVE wells with elevated VOC concentrations.

#### **ACTIVITIES FOR NEXT QUARTER – FORMER BUILDING 2**

The extended SVE pilot test will continue operation on SVE wells selected to maximize mass removal. GAC changeouts will be conducted as necessary. Rebound monitoring on eastern wells (2-VEW-9 through 15, 18 and 19) will be initiated in accordance with the draft standard operating procedures for SVE closure monitoring (Hargis, 2002). Rebound monitoring on the western wells will begin once the wellhead concentrations become asymptotic and no significant contribution to mass removal is observed.

A Fourth Quarter 2002 report summarizing activities during the period October 2002 through December 2002 will be prepared and submitted to BRC in January 2002.

October 30, 2002

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We appreciate the opportunity to provide environmental consulting services on this project. Please do not hesitate to call if you have any questions or comments.

Sincerely yours,  
HALEY & ALDRICH, INC.

Richard M. Farson, PE  
Senior Engineer



Scott P. Zachary  
Project Manager



Enclosures:

Figure 1 – SVE System Locations Building 1/36 and Building 2

Figure 2 – Building 1/36 SVE Well Field Layout

Figure 3 – Building 1/36 SVE Well Head VOC Concentration Contours

Figure 4 – Building 2 SVE Well Field Layout

Figure 5 – Building 2 SVE Wellhead VOC Concentration Contours

Figure 6 – Pre SVE and August/September 2002 Soil Sampling Locations and Results

Attachment 1 – Building 1/36 SVE Operational Data

Attachment 2 – Building 2 SVE Operational Data

cc: John Scott, Boeing  
Scott Zachary, Haley & Aldrich  
Richard Farson, Haley & Aldrich  
File

REFERENCES

Haley & Aldrich, Inc., 2002. Toxic Risk Assessment for Building 2 SVE Extended Pilot Test System, September 20.

Hargis and Associates, Inc., 2002. Draft Soil Vapor Extraction System Closure Standard Operating Procedure, prepared for the Boeing Realty Corporation C-1 Facility, October 10.

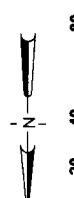
10000

PARCEL A PARCEL C BOUNDARY

BUILDING 1/36 SVE  
SYSTEM AREA

PARCEL C

BUILDING 2  
SVE PILOT-TEST  
AREA



SCALE IN FEET  
ALL DIMENSIONS AND LOCATIONS APPROXIMATE

SOURCE OF BASEMAP: KENNEDY JENKS CONSULTANTS, 2000. SAMPLING AND ANALYSIS PLAN, BOEING REALTY CORPORATION'S C-6 FACILITY, PARCEL C, LOS ANGELES, CA, AUGUST 16, 2000.

FIGURE 1  
BOEING REALTY CORPORATION  
FORMER C-6 FACILITY  
LOS ANGELES, CALIFORNIA

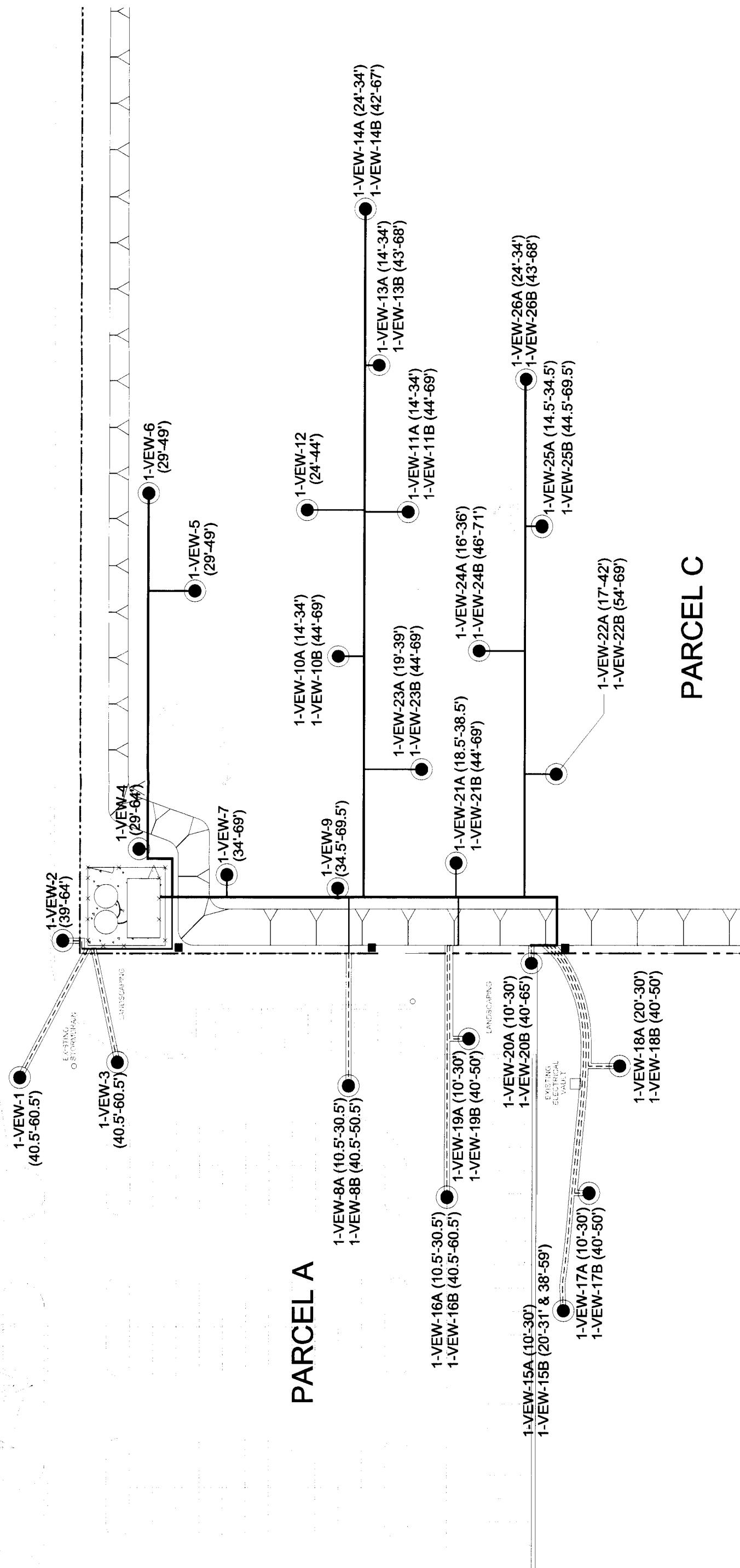
SVE SYSTEM LOCATIONS  
BUILDING 1/36 AND BUILDING 2

UNIVAN  
ENVIRON  
UNDERGROUND  
ENGINEERING &  
ENVIRONMENTAL  
SOLUTIONS

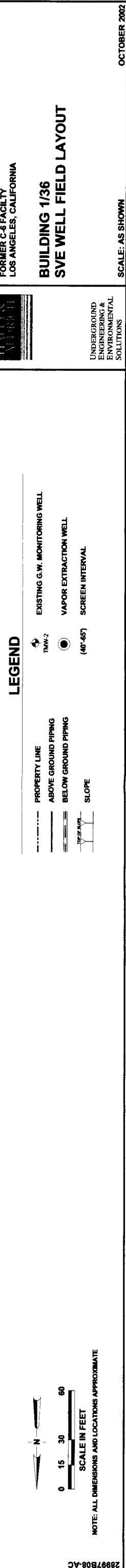
OCTOBER 2002

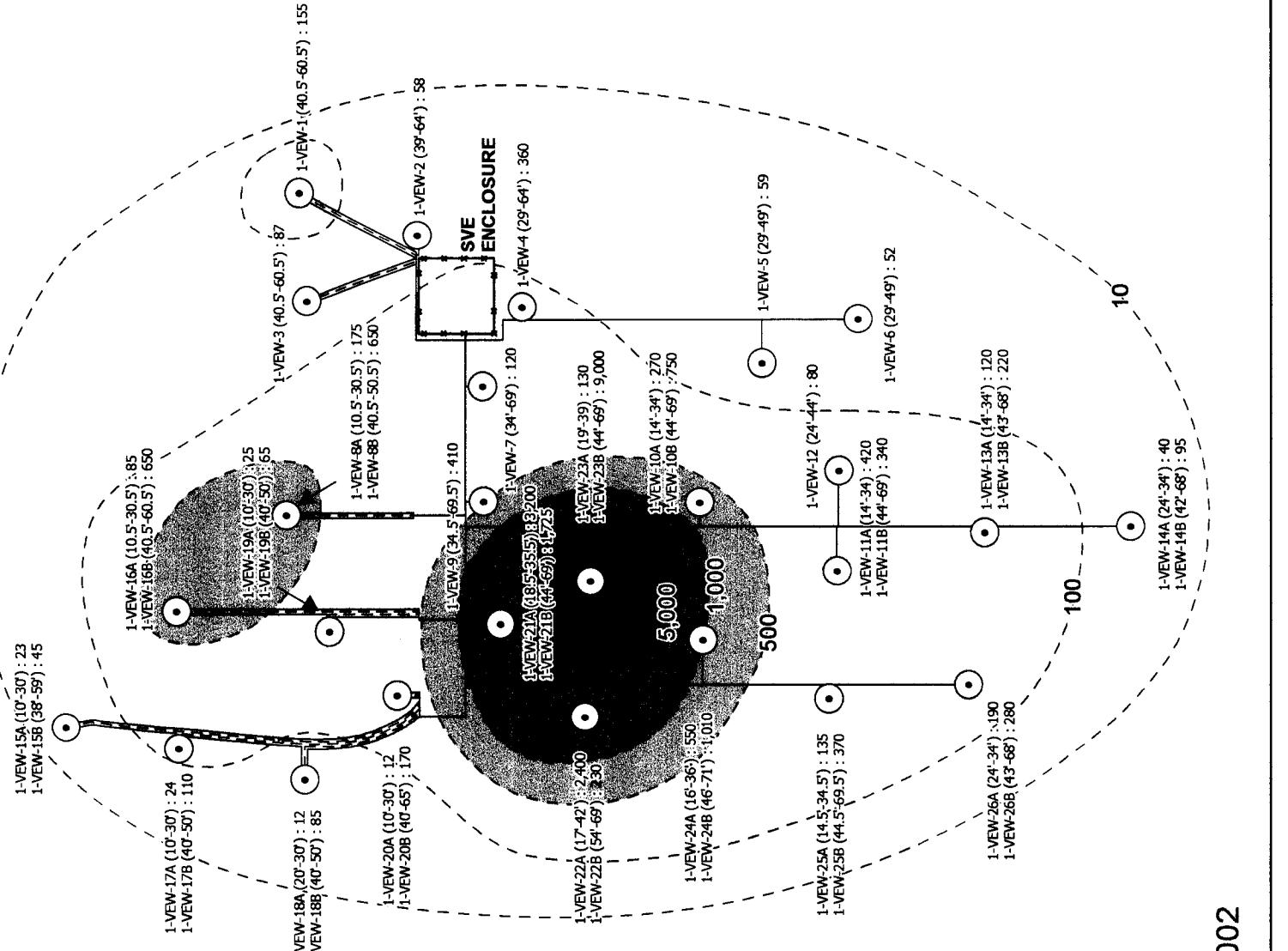
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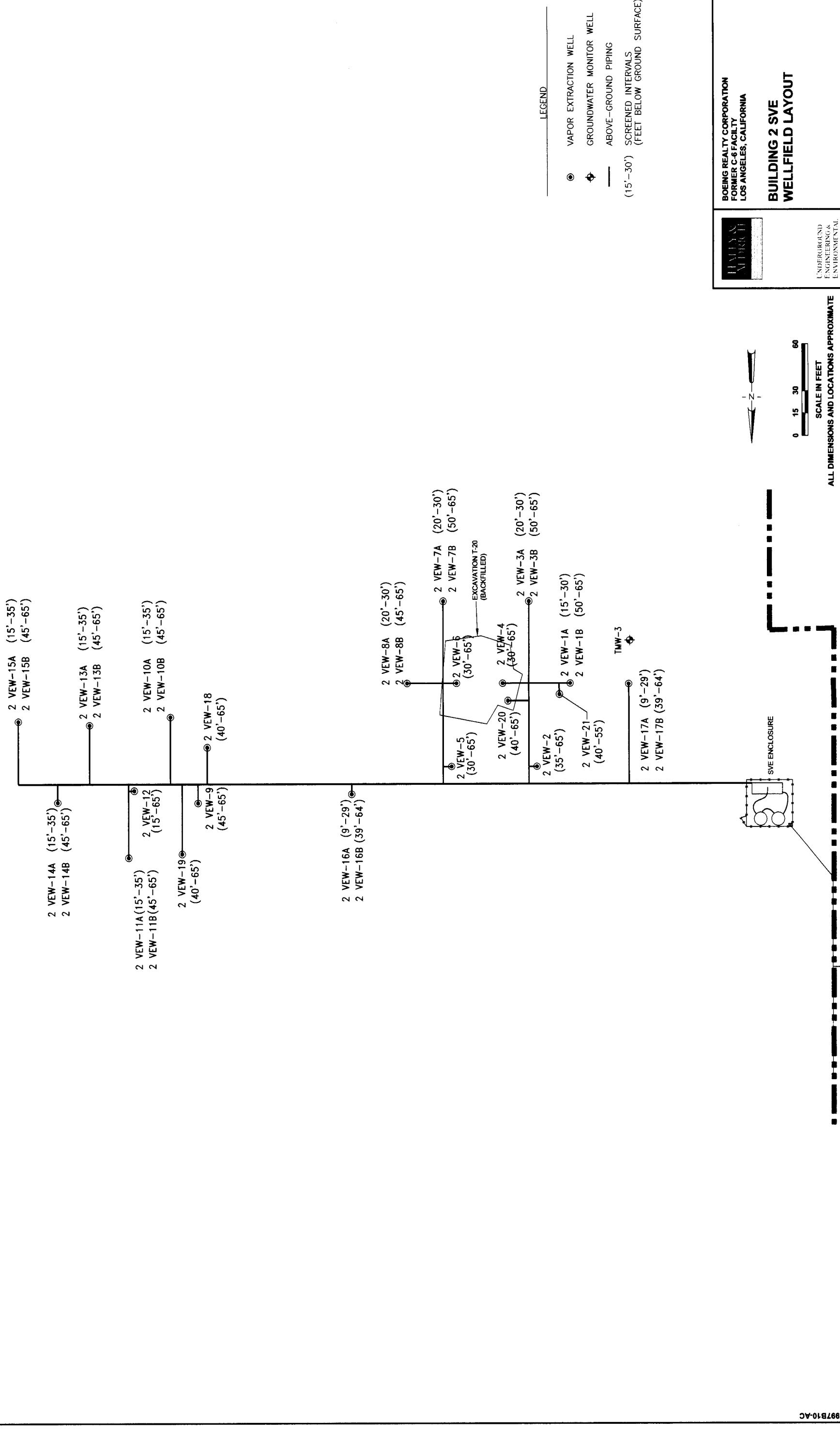
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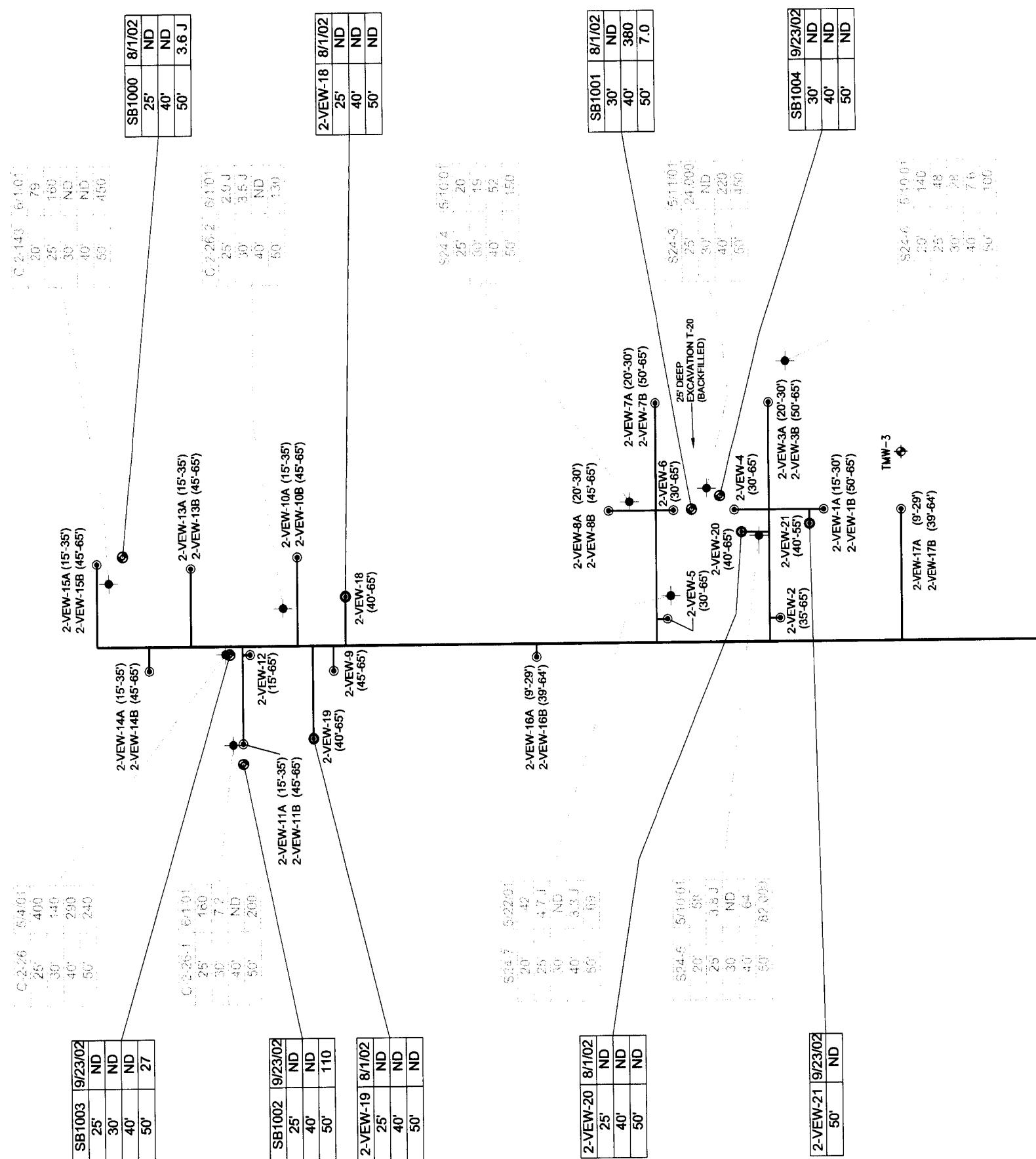
### PARCEL C











ALL DIMENSIONS AND LOCATIONS APPROXIMATE  
SCALE IN FEET  
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FOR: [REDACTED] DRAWING NO.: [REDACTED]  
CITY: [REDACTED] STATE: [REDACTED] ZIP: [REDACTED]

OCTOBER 2002

EXERCISE E

## **PRE-SVE AND AUGUST/SEPTEMBER 2002 SOIL SAMPLING LOCATIONS AND RESULTS**

UNDERGROUND  
ENGINEERING &  
ENVIRONMENTAL  
SOLUTIONS

15 30 60

**SCALE IN FEET**

100

BOE-C6-0049673

**ATTACHMENT 1**

**BUILDING 1/36  
SVE OPERATIONAL DATA**

**TABLE 1 - BUILDING 1/36 SVE SYSTEM INFLUENT LABORATORY DATA**

Site Name: BRC Former C-6 Facility  
 Location: Torrance, California  
 System: Building 1/36 SVE system

COMPOUND	SAMPLE DATE	1/3/2002	2/7/2002	3/6/2002	5/21/2002	6/3/2002
	SAMPLE TYPE	Diluted Inlet	Diluted Inlet	Inlet	Inlet	Inlet
LAB ID	BLDG1_010302	DILUTED_BLDG1_022702	DILUTED_BLDG1_030602	DILUTED_BLDG1_030602	GAC0001D_AV052102_0001	GAC0001D_AV060302_0002
1,1 Dichloroethane (ppbv)	32,000	140,000	140,000	83,000	83,000	43,000
Methylene chloride (ppbv)	ND	300	2,500	6,200	6,200	8,400
1,1 Dichloroethane (ppbv)	1,400	3,700	5,700	2,200	2,200	2,700
1,2 Dichloroethane (ppbv)	ND	250	560	ND	ND	ND
cis-1,2 Dichloroethene (ppbv)	380	1,600	2,800	1,400	1,400	1,700
1,1,1 Trichloroethane (ppbv)	34,000	170,000	220,000	15,000	15,000	220,000
1,1,2 Trichloroethane (ppbv)	ND	120	ND	ND	ND	ND
Trichloroethene (ppbv)	12,000	45,000	61,000	48,000	48,000	29,000
Tetrachloroethene (ppbv)	ND	190	1,600	260	260	ND
Toluene (ppbv)	1,800	81,000	210,000	22,000	22,000	170,000
2-Butanone (MEK)	ND	ND	ND	62,000	62,000	150,000
4-Methyl-2-pentanone (MIBK)	ND	ND	250	2,100	2,100	14,000
Xylene (ppbv)	ND	1,700	5,000	910	910	2,500

Notes:

ppbv = parts per billion by volume

ND = Below method detection limits

**TABLE 2 - BUILDING 1/36 SVE SYSTEM FIELD DATA**

Site Name:	BRC Former C-6 Facility	DATE:		HOUR	TIME	UNDILUTED FLOW RATE (1) (scfm)	UNDILUTED VACUUM (inches H2O)	DILUTED FLOW RATE (1) (scfm)	DILUTED INFLUENT CONC. FID (2) (ppmv)	MID PONT CARBON CONC. PID (2) (ppmv)	EFFLUENT CARBON CONC. PID (2) (ppmv)	COMMENTS
Location:	Torrance, California	METER										
System:	Building 1/36 SVE system											
7/2/2001	8	14:50	5	72	115	>2000	0.0	0.0	0.0	0.0	0.0	
7/13/2001	125	9:00	5	43	161	>2000	0.0	0.0	0.0	0.0	0.0	
7/20/2001	253	8:07	5	35	178	>2000	0.0	0.0	0.0	0.0	0.0	
7/27/2001	426	8:46	5	35	178	1000	2.0	2.0	1.0	1.0	1.0	
8/1/2001	551	10:25	5	35	150	850	1.0	1.0	1.0	1.0	1.0	
8/3/2001	598	8:36	11	96	34	3000	6.1	6.1	0.0	0.0	0.0	
8/10/2001	778	16:20	NR	20	109	141.5	20.5	20.5	0.0	0.0	0.0	
8/17/2001	952	18:40	NR	51	112	392	128.0	128.0	0.0	0.0	0.0	
9/11/2001	954	14:23	26	53	90	370	0.2	0.2	0.1	0.1	0.1	
9/17/2001	1105	18:00	5	60	96	340	0.1	0.1	0.1	0.1	0.1	
9/24/2001	1206	15:00	12	59	93	880	0.1	0.1	0.1	0.1	0.1	
9/27/2001	1274	9:45	35	55	91	870	0.0	0.0	0.0	0.0	0.0	
9/28/2001	1299	11:00	14	77	32	>2000	0.0	0.0	0.0	0.0	0.0	
10/1/2001	1371	10:00	23	64	32	1170	0.0	0.0	0.0	0.0	0.0	
12/13/2001	1399	15:00	7	54	200	1515	1.5	1.5	0.0	0.0	0.0	
12/20/2001	1483	14:15	6	47	200	880	430.0	430.0	0.0	0.0	0.0	
01/03/02	1625	13:15	32	48	200	320	0.0	0.0	0.0	0.0	0.0	
01/10/02	1794	14:00	30	17	200	390	0.1	0.1	0.0	0.0	0.0	
01/18/02	1980	8:30	3	15	184	760	0.0	0.0	0.0	0.0	0.0	
01/24/02	2127	11:00	93	15	178	>9,999	0.0	0.0	0.0	0.0	0.0	
01/31/02	2294	13:45	NR	13	175	4,000	63	63	0.0	0.0	0.0	
02/07/02	2324	16:50	50	13	165	3,540	2	2	0.0	0.0	0.0	
02/15/02	2517	17:50	40	NR	170	3,600	26	26	0.1	0.1	0.1	
02/21/02	2661	17:44	47	13	170	4,300	240	240	0.0	0.0	0.0	
02/27/02	2661	14:17	46	14	185	3,900	1.5	1.5	0.0	0.0	0.0	
03/06/02	2828	13:40	110	17	195	>9,999	45	45	0.2	0.2	0.2	
03/13/02	2995	16:20	56	14	163	4,350	2	2	0.0	0.0	0.0	
03/20/02	3155	8:30	NR	19.5	183	3,700	2	2	0.2	0.2	0.2	
03/29/02	3371	8:15	60	13	166	2,364	57	57	0.2	0.2	0.2	
												System shut-down and removal

**TABLE 2 - BUILDING 1/36 SVE SYSTEM FIELD DATA**

Site Name:	BRC Former C-6 Facility	DATE:		HOUR METER	TIME	UNDILUTED FLOW RATE (1) (scfm)	UNDILUTED VACUUM (inches H <sub>2</sub> O)	DILUTED FLOW RATE (1) (scfm)	DILUTED INFLUENT CONC. FID (2) (ppmv)	MID PONT CARBON CONC. PID (2) (ppmv)	EFFLUENT CARBON CONC. PID (2) (ppmv)	COMMENTS
05/15/02	5	16:50	985	96	995			375 *	0.1 *	0.7 *		
05/16/02	31	17:45	1040	91	1060			320 *	14.2 *	0.2 *		
05/17/02	55	17:20	915	69	985			310 *	0.0 *	0.1 *		
05/18/02	76	14:40	840	90	870			845	45.0	0.0		
05/19/02	97	11:40	875	88	905			780	18.0	10.0		
05/20/02	119	10:00	900	88	905			725	14.0	12.0		
05/21/02	143	14:50	935	72	975			160	34.0	7.5		
05/22/02	169	17:10	925	77	950			330	9.8	7.0		
05/23/02	190	14:35	925	62	815			355	9.8	9.0		
05/24/02	208	8:41	403	61	400			1,250	13.0	12.0		
05/25/02	236	12:40	383	60	377			850	10.5	9.0		
05/26/02	259	11:20	392	61	364			1,000	13.0	11.8		
05/27/02	283	11:24	402	60	368			1,000	25.0	12.0		
05/29/02	286	17:30	830	95	795			245 *	0.0 *	0.0 *		
06/03/02	400	10:00	780	109	760			350	60.0	7.5		
												Carbon bed overloading discovered 6/1/02. System shut down and awaiting retrofit design.

**Notes:**

- (1) Direct flow readings taken by hand-held TSI Velocity-calc Plus or orifice plate
- (2) Measurements taken with a Foxboro OVA-108 PID calibrated to 100 ppmv Hexane.
- \* PID Adjusted to FID equivalents as Hexane by multiplying PID Reading by 0.35 (Hexane Equiv = PID Equiv × PID CF × FID RF)
- scfm = standard cubic feet per minute
- ppmv = parts per million by volume
- NR = Not Recorded
- > Greater than

**TABLE 3 - BUILDING 1/36 SVE SYSTEM WELLFIELD DATA**

**Site Name:** BRC Former C-6 Facility  
**Location:** Torrance, California  
**System:** Building 1/36 SVE system

WELL ID	DATE	TIME	FLOW RATE	VACUUM	WELLHEAD PID	COMMENTS
			(scfm)	(inches H2O)	(ppmv)	
<b>1-VIEW-1</b>	3/6/2002	13:40	NA	0.0	NA	Well Closed
	3/29/2002	8:15	NA	0.5	NA	"
	5/23/2002	11:21	4.41	9	115	Well Opened
	5/23/2002	12:38	18.9	40	125	"
	5/23/2002	14:19	37.6	96	155	"
	6/3/2002	10:00	39	90	51	"
<b>1-VIEW-2</b>	3/6/2002	13:40	NA	0.5	NA	Well Closed
	3/29/2002	8:15	NA	1	NA	"
	5/23/2002	11:24	5.45	9	49	Well Opened
	5/23/2002	12:35	21.2	35.5	51	"
	5/23/2002	14:23	47.2	96	58	"
	6/3/2002	10:00	45	90	30	"
<b>1-VIEW-3</b>	3/6/2002	13:40	NA	0.1	NA	Well Closed
	3/29/2002	8:15	NA	0.6	NA	"
	5/23/2002	11:17	3.37	8.5	32	Well Opened
	5/23/2002	12:43	15.6	42	87	"
	5/23/2002	14:13	30.2	96	82	"
	6/3/2002	10:00	24	69	40	"
<b>1-VIEW-4</b>	3/6/2002	13:40	NA	1.4	NA	Well Closed
	3/29/2002	8:15	NA	1.4	NA	"
	5/23/2002	10:45	2.61	13	8	Well Opened
	5/23/2002	NA	7.05	34.5	360	"
	5/23/2002	14:08	18.1	96	230	"
	6/3/2002	10:00	9	51	120	"
<b>1-VIEW-5</b>	3/6/2002	13:40	NA	1.4	NA	Well Closed
	3/29/2002	8:15	NA	1.5	NA	"
	5/21/2002	11:38	6.9	12	59	Well Opened
	5/21/2002	13:02	15.6	19	16	"
	5/21/2002	12:45	32.1	34	29	"
	6/3/2002	10:00	NA	10	NA	Well Closed
<b>1-VIEW-6</b>	3/6/2002	13:40	NA	2.2	NA	Well Closed
	3/29/2002	8:15	NA	1.6	NA	"
	5/21/2002	11:25	6.3	8	52	Well Opened
	5/21/2002	13:05	16.5	15	16	"
	5/21/2002	12:50	33.3	30	30	"
	6/3/2002	10:00	NA	7	NA	Well Closed

**TABLE 3 - BUILDING 1/36 SVE SYSTEM WELLFIELD DATA**

**Site Name:** BRC Former C-6 Facility  
**Location:** Torrance, California  
**System:** Building 1/36 SVE system

WELL ID	DATE	TIME	FLOW RATE	VACUUM	WELLHEAD PID	COMMENTS
			(scfm)	(inches H2O)	(ppmv)	
<b>1-VEW-7</b>	3/6/2002	13:40	NA	1.9	NA	Well Closed
	3/29/2002	8:15	NA	0.1	NA	"
	5/23/2002	10:38	9.85	13	44	Well Opened
	5/23/2002	11:37	42.1	41	85	"
	5/23/2002	13:58	92	95	120	"
	6/3/2002	10:00	88	88	30	"
<b>1-VEW-8A</b>	3/6/2002	13:40	NA	0.5	NA	Well Closed
	3/29/2002	8:15	NA	0.6	NA	"
	5/22/2002	11:25	10.75	11.5	175	Well Opened
	5/22/2002	14:23	63	41.5	150	"
	5/22/2002	15:32	112	82	142	"
	6/3/2002	10:00	33	22	40	"
<b>1-VEW-8B</b>	3/6/2002	13:40	NA	0.3	NA	Well Closed
	3/29/2002	8:15	NA	0.6	NA	"
	5/17/2002	NA	3.7	14	565	Well Opened
	5/17/2002	NA	6.05	43	650	"
	5/17/2002	NA	11.3	72	510	"
	6/3/2002	10:00	10	90	60	"
<b>1-VEW-9</b>	3/6/2002	13:40	NA	NA	NA	Well Closed
	3/29/2002	8:15	NA	NA	NA	"
	5/23/2002	10:30	4.33	13	63	"
	5/23/2002	13:05	27.7	45	410	Well Opened
	5/23/2002	13:56	46.4	95	305	"
	6/3/2002	10:00	49	88	120	"
<b>1-VEW-10A</b>	3/6/2002	13:40	NA	NA	NA	Well Closed
	3/29/2002	8:15	NA	NA	NA	"
	5/16/2002	NA	2.7	26	270	Well Opened
	5/16/2002	NA	11	54	195	"
	5/16/2002	NA	19.8	18	35	"
	6/3/2002	10:00	19	65	16	"
<b>1-VEW-10B</b>	3/6/2002	13:40	NA	NA	NA	Well Closed
	3/29/2002	8:15	NA	NA	NA	"
	5/20/2002	13:05	2.74	20	290	Well Opened
	5/20/2002	15:45	12.7	25	750	"
	5/20/2002	16:53	21	78	600	"
	6/3/2002	10:00	29	60	290	"
<b>1-VEW-11A</b>	3/6/2002	13:40	NA	4.7	NA	Well Closed
	3/29/2002	8:15	NA	2.8	NA	"
	5/15/2002	18:08	5.3	40	400	Well Opened
	5/15/2002	19:22	5.6	>100	400	"
	5/15/2002	18:57	20.1	52	420	"
	6/3/2002	10:00	22	90	44	Well Closed

**TABLE 3 - BUILDING 1/36 SVE SYSTEM WELLFIELD DATA**

**Site Name:** BRC Former C-6 Facility  
**Location:** Torrance, California  
**System:** Building 1/36 SVE system

WELL ID	DATE	TIME	FLOW RATE	VACUUM	WELLHEAD PID	COMMENTS
			(scfm)	(inches H2O)	(ppmv)	
<b>1-VEW-11B</b>	3/6/2002	13:40	NA	5.0	NA	Well Closed
	3/29/2002	8:15	NA	3.0	NA	"
	5/18/2002	9:40	2.16	23.5	270	Well Opened
	5/18/2002	11:50	7.7	38	340	"
	5/18/2002	13:35	15.5	60	280	"
	6/3/2002	10:00	29	50	75	"
<b>1-VEW-12</b>	3/6/2002	13:40	NA	3.5	NA	Well Closed
	3/29/2002	8:15	NA	2.2	NA	"
	5/21/2002	11:45	6.2	18.5	80	Well Opened
	5/21/2002	13:44	17.3	43	65	"
	5/21/2002	12:40	32.3	90	63	"
	6/3/2002	10:00	17	55	14	Well Closed
<b>1-VEW-13A</b>	3/6/2002	13:40	NA	3.0	NA	Well Closed
	3/29/2002	8:15	NA	2.0	NA	"
	5/15/2002	18:23	5.4	20	84	Well Opened
	5/15/2002	19:05	11.2	56	95	"
	5/15/2002	19:29	28.1	>100	120	"
	6/3/2002	10:00	59	87	14	"
<b>1-VEW-13B</b>	3/6/2002	13:40	NA	2.9	NA	Well Closed
	3/29/2002	8:15	NA	2.2	NA	"
	5/18/2002	NA	1.84	18.5	63	Well Opened
	5/18/2002	NA	8.3	33	220	"
	5/18/2002	NA	18.6	60.5	200	"
	6/3/2002	10:00	26	45	60	"
<b>1-VEW-14A</b>	3/6/2002	13:40	NA	0.4	NA	Well Closed
	3/29/2002	8:15	NA	0.4	NA	"
	5/15/2002	18:48	5.3	24	27	Well Opened
	5/15/2002	19:11	15	30	27	"
	5/15/2002	19:37	27	>100	40	"
	6/3/2002	10:00	22	64	14	Well Closed
<b>1-VEW-14B</b>	3/6/2002	13:40	NA	1.8	NA	Well Closed
	3/29/2002	8:15	NA	1.8	NA	"
	5/18/2002	NA	7.1	15.5	65	Well Opened
	5/18/2002	NA	34.2	33.5	95	"
	5/18/2002	NA	65	61	85	"
	6/3/2002	10:00	38	40	35	"
<b>1-VEW-15A</b>	3/6/2002	13:40	NA	0.0	NA	Well Closed
	3/29/2002	8:15	NA	0.0	NA	"
	5/22/2002	12:14	16.4	6.5	13.5	Well Opened
	5/22/2002	13:51	74	35	23	"
	5/22/2002	16:00	138	80	19.5	"
	6/3/2002	10:00	84	61	NA	Well Closed

**TABLE 3 - BUILDING 1/36 SVE SYSTEM WELLFIELD DATA**

**Site Name:** BRC Former C-6 Facility  
**Location:** Torrance, California  
**System:** Building 1/36 SVE system

WELL ID	DATE	TIME	FLOW RATE	VACUUM	WELLHEAD PID	COMMENTS
			(scfm)	(inches H2O)	(ppmv)	
<b>1-VEW-15B</b>	3/6/2002	13:40	NA	0.0	NA	Well Closed
	3/29/2002	8:15	NA	0.0	NA	"
	5/17/2002	NA	12	4	12	Well Opened
	5/17/2002	NA	60.5	27	45	"
	5/17/2002	NA	117	72	40	"
	6/3/2002	10:00	74	34	NA	Well Closed
<b>1-VEW-16A</b>	3/6/2002	13:40	NA	0.0	NA	Well Closed
	3/29/2002	8:15	NA	0.2	NA	"
	5/22/2002	11:43	3.72	11	85	Well Opened
	5/22/2002	14:17	23.9	72	68	"
	5/22/2002	15:41	25.1	82	75	"
	6/3/2002	10:00	18	70	17	"
<b>1-VEW-16B</b>	3/6/2002	13:40	NA	0.0	NA	Well Closed
	3/29/2002	8:15	NA	0.5	NA	"
	5/17/2002	NA	3.6	11	510	Well Opened
	5/17/2002	NA	16.1	25	650	"
	5/17/2002	NA	39.3	74	610	"
	6/3/2002	10:00	22	65	80	"
<b>1-VEW-17A</b>	3/6/2002	13:40	NA	0.0	NA	Well Closed
	3/29/2002	8:15	NA	0.1	NA	"
	5/22/2002	12:00	6.55	7	24	Well Opened
	5/22/2002	13:57	29.2	35	9.5	"
	5/22/2002	15:54	58.5	80	5.6	"
	6/3/2002	10:00	NA	NA	NA	Well Closed
<b>1-VEW-17B</b>	3/6/2002	13:40	NA	0.0	NA	Well Closed
	3/29/2002	8:15	NA	0.2	NA	"
	5/17/2002	NA	4.5	6	110	Well Opened
	5/17/2002	NA	24.2	36	110	"
	5/17/2002	NA	41.5	72	110	"
	6/3/2002	10:00	40	58	6	"
<b>1-VEW-18A</b>	3/6/2002	13:40	NA	0.0	NA	Well Closed
	3/29/2002	8:15	NA	0.3	NA	"
	5/22/2002	12:18	2.8	33.5	12.2	Well Opened
	5/22/2002	13:45	9.25	72	10.5	"
	5/22/2002	16:08	19.4	80	9.5	"
	6/3/2002	10:00	NA	NA	NA	Well Closed
<b>1-VEW-18B</b>	3/6/2002	13:40	NA	0.2	NA	Well Closed
	3/29/2002	8:15	NA	0.4	NA	"
	5/17/2002	NA	3	2	7.9	Well Opened
	5/17/2002	NA	12.75	16	73	"
	5/17/2002	NA	32.5	72	85	"
	6/3/2002	10:00	32	86	22	"

**TABLE 3 - BUILDING 1/36 SVE SYSTEM WELLFIELD DATA**

**Site Name:** BRC Former C-6 Facility  
**Location:** Torrance, California  
**System:** Building 1/36 SVE system

WELL ID	DATE	TIME	FLOW RATE	VACUUM	WELLHEAD PID (ppmv)	COMMENTS
			(scfm)	(inches H2O)		
1-VEW-19A	3/6/2002	13:40	NA	0.0	NA	Well Closed
	3/29/2002	8:15	NA	0.0	NA	"
	5/22/2002	11:49	6.55	9.5	25.1	Well Opened
	5/22/2002	14:12	35.2	40	13	"
	5/22/2002	15:48	64.5	82	11.7	"
	6/3/2002	10:00	NA	15	NA	Well Closed
1-VEW-19B	3/6/2002	13:40	NA	0.6	NA	Well Closed
	3/29/2002	8:15	NA	0.6	NA	"
	5/17/2002	NA	3.5	14	59	Well Opened
	5/17/2002	NA	15.8	34	65	"
	5/17/2002	NA	43.1	74	60	"
	6/3/2002	10:00	16	87	5	"
1-VEW-20A	3/6/2002	13:40	NA	1.3	NA	Well Closed
	3/29/2002	8:15	NA	0.9	NA	"
	5/22/2002	12:23	2.87	9	11	Well Opened
	5/22/2002	13:39	14.1	31.5	11.8	"
	5/22/2002	16:12	33.1	80	4.2	"
	6/3/2002	10:00	NA	10	NA	Well Closed
1-VEW-20B	3/6/2002	13:40	NA	1.4	NA	Well Closed
	3/29/2002	8:15	NA	1.0	NA	"
	5/17/2002	10:30	2.32	14	100	Well Opened
	5/17/2002	NA	10.7	22	170	"
	5/17/2002	NA	32.6	72	105	"
	6/3/2002	10:00	33	61	18	"
1-VEW-21A	3/6/2002	13:40	NA	NA	NA	Well Closed
	3/29/2002	8:15	NA	NA	NA	"
	5/16/2002	NA	3.57	39	3040	Well Opened
	5/16/2002	NA	5.4	48	3200	"
	5/16/2002	NA	37.7	96	2900	"
	6/3/2002	10:00	28	55	NA	"
1-VEW-21B	3/6/2002	13:40	NA	NA	NA	Well Closed
	3/29/2002	8:15	NA	NA	NA	"
	5/20/2002	13:22	1.74	15	700	Well Opened
	5/20/2002	15:28	4.5	45	1030	"
	5/20/2002	17:24	36.3	79	1725	"
	5/21/2002	9:55	48.3	92	1200	"
	6/3/2002	10:00	47	90	NA	"

**TABLE 3 - BUILDING 1/36 SVE SYSTEM WELLFIELD DATA**

**Site Name:** BRC Former C-6 Facility  
**Location:** Torrance, California  
**System:** Building 1/36 SVE system

WELL ID	DATE	TIME	FLOW RATE	VACUUM	WELLHEAD PID	COMMENTS
			(scfm)	(inches H2O)	(ppmv)	
<b>1-VEW-22A</b>	3/6/2002	13:40	NA	5.0	NA	Well Closed
	3/29/2002	8:15	NA	3.1	NA	"
	5/16/2002	NA	3.1	28	2200	Well Opened
	5/16/2002	NA	10.6	52	2400	"
	5/16/2002	NA	18.05	92	1600	"
	6/3/2002	10:00	18	74	80	"
<b>1-VEW-22B</b>	3/6/2002	13:40	NA	5.1	NA	Well Closed
	3/29/2002	8:15	NA	3.1	NA	"
	5/20/2002	13:30	4.12	16	37	Well Opened
	5/20/2002	15:20	21.1	40	72	"
	5/20/2002	17:35	37	77	179	"
	5/21/2002	10:07	43.6	91	230	"
<b>1-VEW-23A</b>	3/6/2002	13:40	NA	NA	NA	Well Closed
	3/29/2002	8:15	NA	NA	NA	"
	5/16/2002	NA	3.25	20	130	Well Opened
	5/16/2002	NA	12.5	49	45	"
	5/16/2002	NA	21.4	20	35	"
	6/3/2002	10:00	14	40	11	Well Closed
<b>1-VEW-23B</b>	3/6/2002	13:40	NA	NA	NA	Well Closed
	3/29/2002	8:15	NA	NA	NA	"
	5/20/2002	13:16	2.67	15	46	Well Opened
	5/20/2002	15:38	10	23	1700	"
	5/20/2002	17:08	19.5	79	9000	"
	5/21/2002	9:48	46.3	94	8000	"
	6/3/2002	10:00	37	90	600	"

**TABLE 3 - BUILDING 1/36 SVE SYSTEM WELLFIELD DATA**

**Site Name:** BRC Former C-6 Facility  
**Location:** Torrance, California  
**System:** Building 1/36 SVE system

WELL ID	DATE	TIME	FLOW RATE	VACUUM	WELLHEAD PID	COMMENTS
			(scfm)	(inches H2O)	(ppmv)	
1-VEW-24A	1/18/2002	10:40	NA	88	> 9,999 *	Well opened
	1/24/2002	11:00	NA	75	> 9,999 *	"
	1/31/2002	13:45	33	23	> 9,999	"
	2/7/2002	16:50	31	26	> 9,999	"
	2/15/2002	17:51	NA	NA	> 9,999 *	"
	2/21/2002	17:44	46.5	30	> 9,999	"
	2/27/2002	14:17	32	30	> 9,999	"
	3/6/2002	13:40	94	64	> 9,999	"
	3/13/2002	16:20	45	30	> 9,999	"
	3/20/2002	8:30	42	32	> 9,999	"
	3/29/2002	8:15	9	28	4,000	"
	5/16/2002	NA	8.85	24	450	"
	5/16/2002	NA	33.7	42	550	"
	5/16/2002	NA	77.5	90	520	"
	6/3/2002	10:00	43	56	55	"
1-VEW-24B	12/13/2001	15:00	10	54	> 9,999 *	Well opened
	12/20/2001	14:15	5	47	> 800 *	"
	1/3/2002	13:15	32	48	> 320 *	"
	1/10/2002	14:00	30	48	> 700 *	"
	1/18/2002	8:25	25	90	> 760 *	"
	1/18/2002	10:40	NA	90	> 2,500 *	"
	1/24/2002	11:00	93	90	> 9,999 *	"
	1/31/2002	13:45	9	23	> 9,999	"
	2/7/2002	16:50	9	26	> 9,999	"
	2/15/2002	17:51	NA	NA	> 9,999 *	"
	2/21/2002	17:44	11	30	> 9,999	"
	2/27/2002	14:17	8	31	> 9,999	"
	3/6/2002	13:40	13	64	> 9,999	"
	3/13/2002	16:20	10.5	30	> 9,999	"
	3/20/2002	8:30	5.8	32	> 9,999	"
	3/29/2002	8:15	38	28	> 9,999	"
	5/20/2002	13:43	1.08	15	42	"
	5/20/2002	15:10	4.4	41	490	"
	5/20/2002	17:45	28.4	77	1010	"
	5/21/2002	10:16	41.4	91	635	"
	6/3/2002	10:00	30	70	100	"
1-VEW-25A	3/6/2002	13:40	NA	5.5	NA	Well Closed
	3/29/2002	8:15	NA	3.7	NA	"
	5/16/2002	NA	2.68	23	125	Well Opened
	5/16/2002	NA	13.5	44	135	"
	5/16/2002	NA	28	90	120	"
	6/3/2002	10:00	25	46	45	"
1-VEW-25B	3/6/2002	13:40	NA	5.9	NA	Well Closed
	3/29/2002	8:15	NA	3.5	NA	"
	5/18/2002	10:17	1.36	23	280	Well Opened
	5/18/2002	12:30	3.75	35.5	370	"
	5/18/2002	14:23	7.65	61	310	"
	6/3/2002	10:00	19	45	185	"

**TABLE 3 - BUILDING 1/36 SVE SYSTEM WELLFIELD DATA**

**Site Name:** BRC Former C-6 Facility  
**Location:** Torrance, California  
**System:** Building 1/36 SVE system

WELL ID	DATE	TIME	FLOW RATE	VACUUM	WELLHEAD PID	COMMENTS
			(scfm)	(inches H2O)	(ppmv)	
<b>1-VEW-26A</b>	3/6/2002	13:40	NA	3.7	NA	Well Closed
	3/29/2002	8:15	NA	2.7	NA	"
	5/16/2002	10:50	5.45	37	95	Well Opened
	5/16/2002	NA	24.5	90	190	"
	5/16/2002	NA	33.5	>100	95	"
	6/3/2002	10:00	55	85	105	"
<b>1-VEW-26B</b>	3/6/2002	13:40	NA	3.8	NA	Well Closed
	3/29/2002	8:15	NA	2.8	NA	"
	5/18/2002	NA	5.15	19.5	260	Well Opened
	5/18/2002	NA	23	35	280	"
	5/18/2002	NA	43.6	61	240	"
	6/3/2002	10:00	24	36	60	"

**Notes:**

ppmv: parts per million by volume

scfm: standard cubic foot per minute (acfmin corrected for vacuum and temperature)

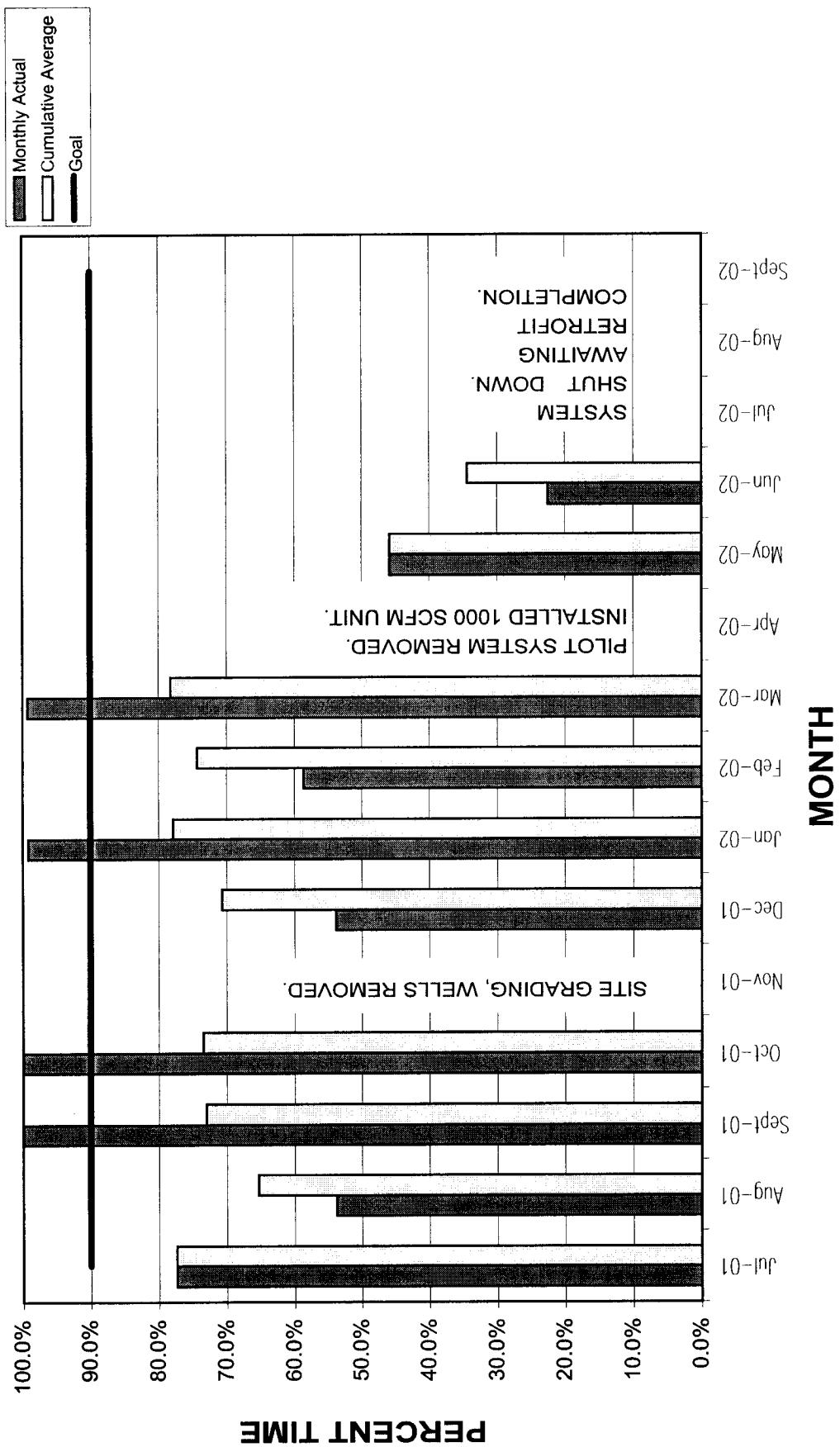
NA: data was not recorded or available

\* Well head readings not taken. Estimates based on diluted inlet concentrations

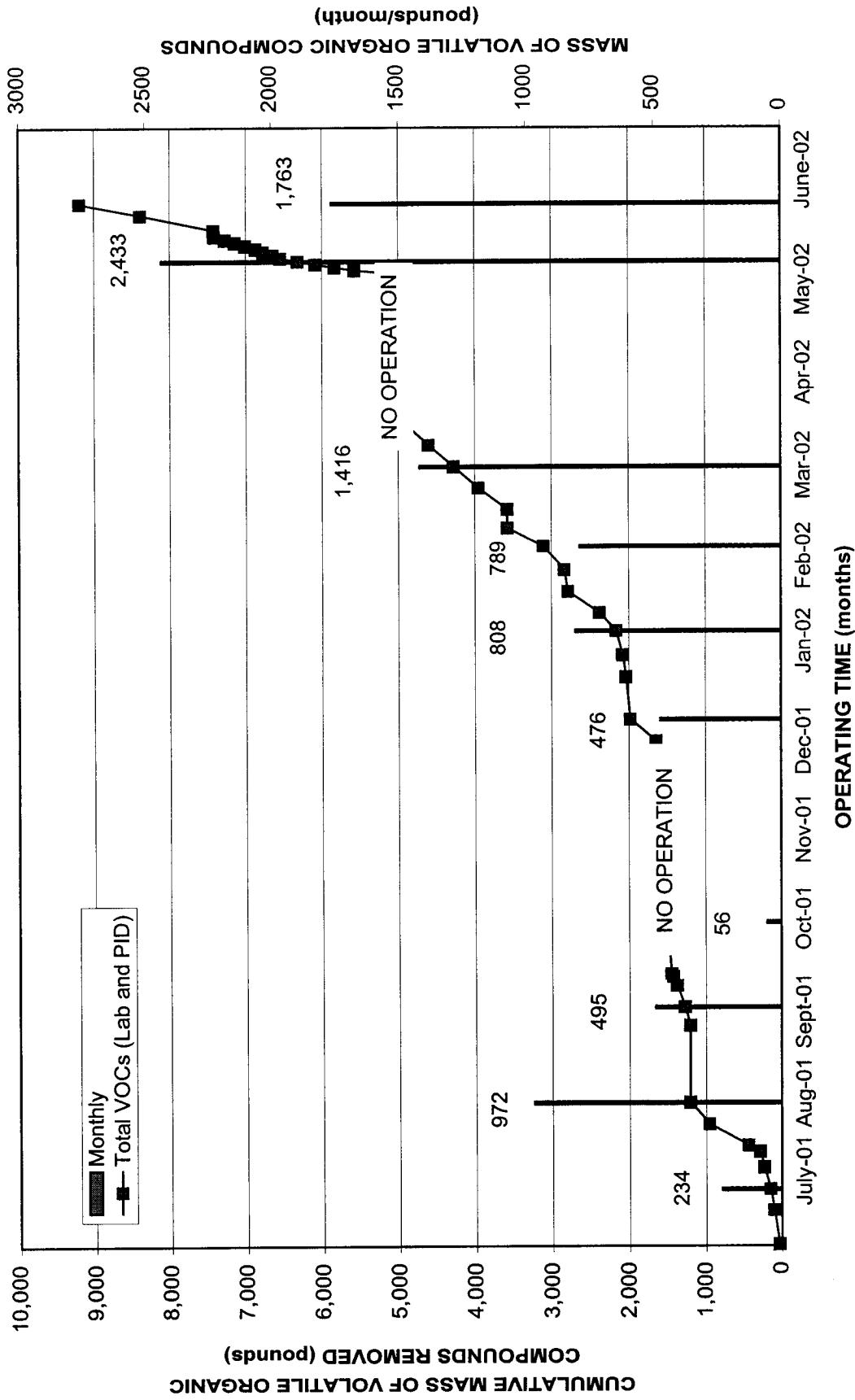
(1) Direct flow readings taken by hand-held TSI Veloci-calc Plus

(2) Measurements taken with a Foxboro OVA FID calibrated to 100 ppmv Hexane, results as Hexane

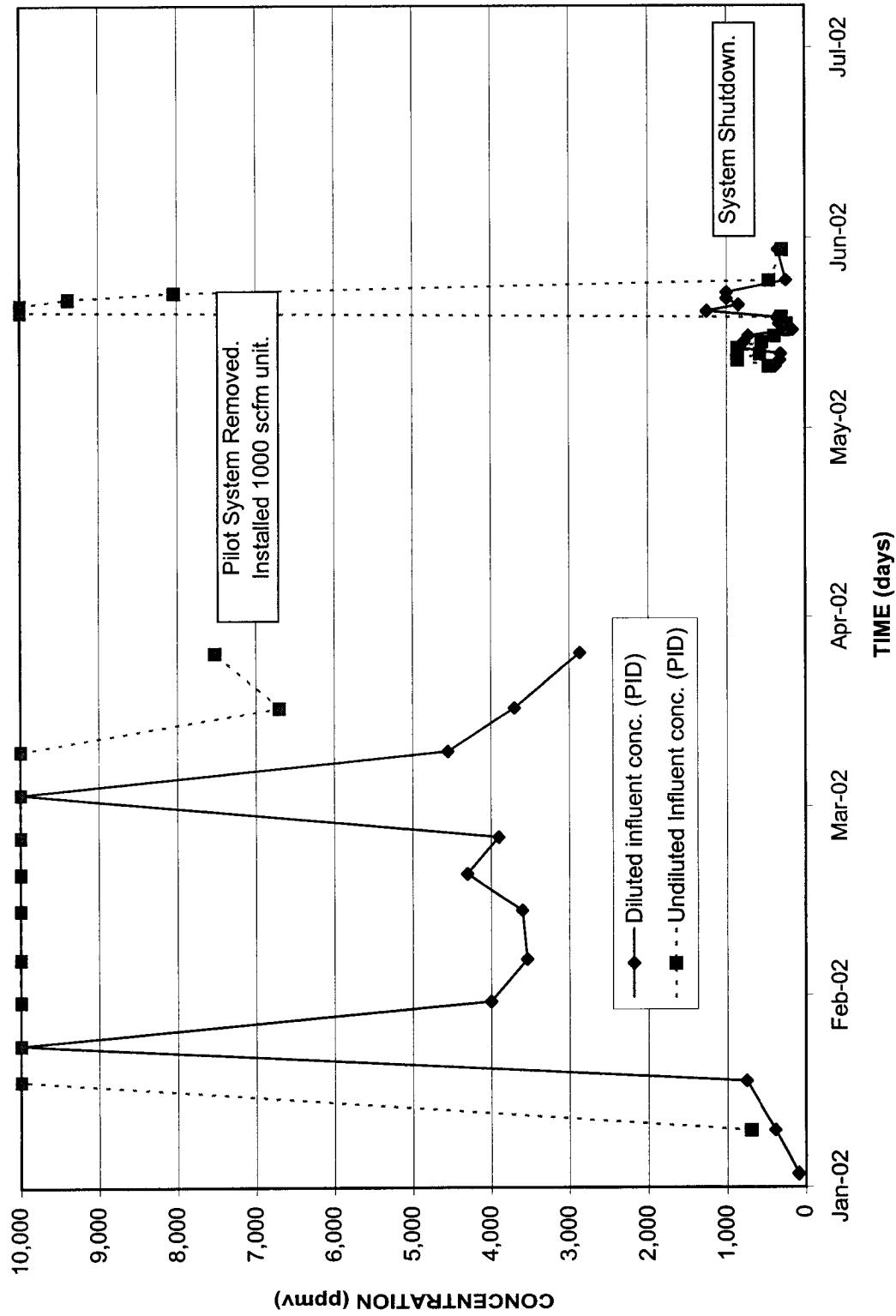
**GRAPH 1**  
**BUILDING 1/36 MONTHLY PERCENT OPERATION**



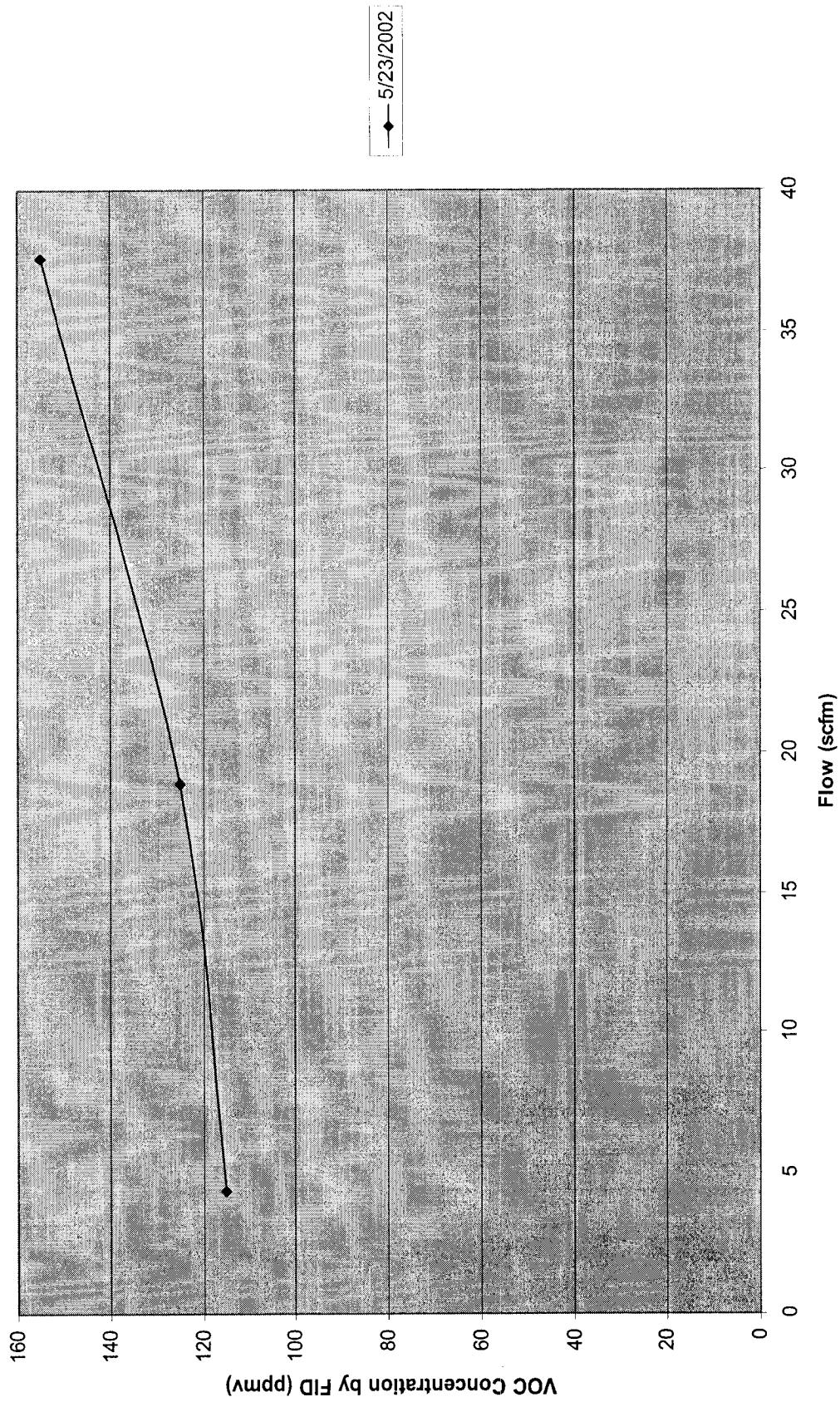
**GRAPH 2**  
**BUILDING 1/36 CUMULATIVE VOLATILE ORGANIC COMPOUND MASS REMOVED**



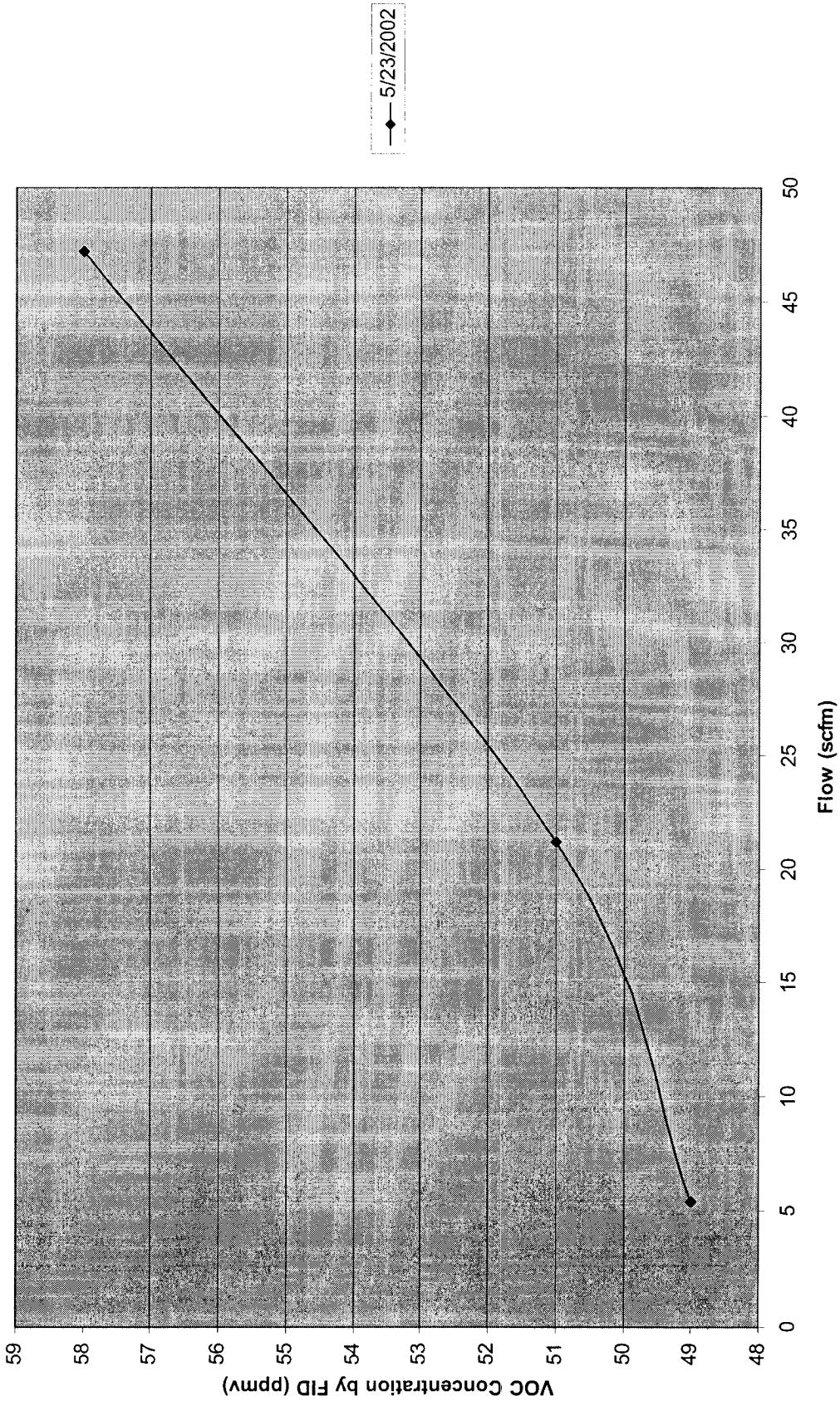
**GRAPH 3**  
**BUILDING 1/36 SVE SYSTEM TOTAL VOC INFLUENT CONCENTRATIONS**



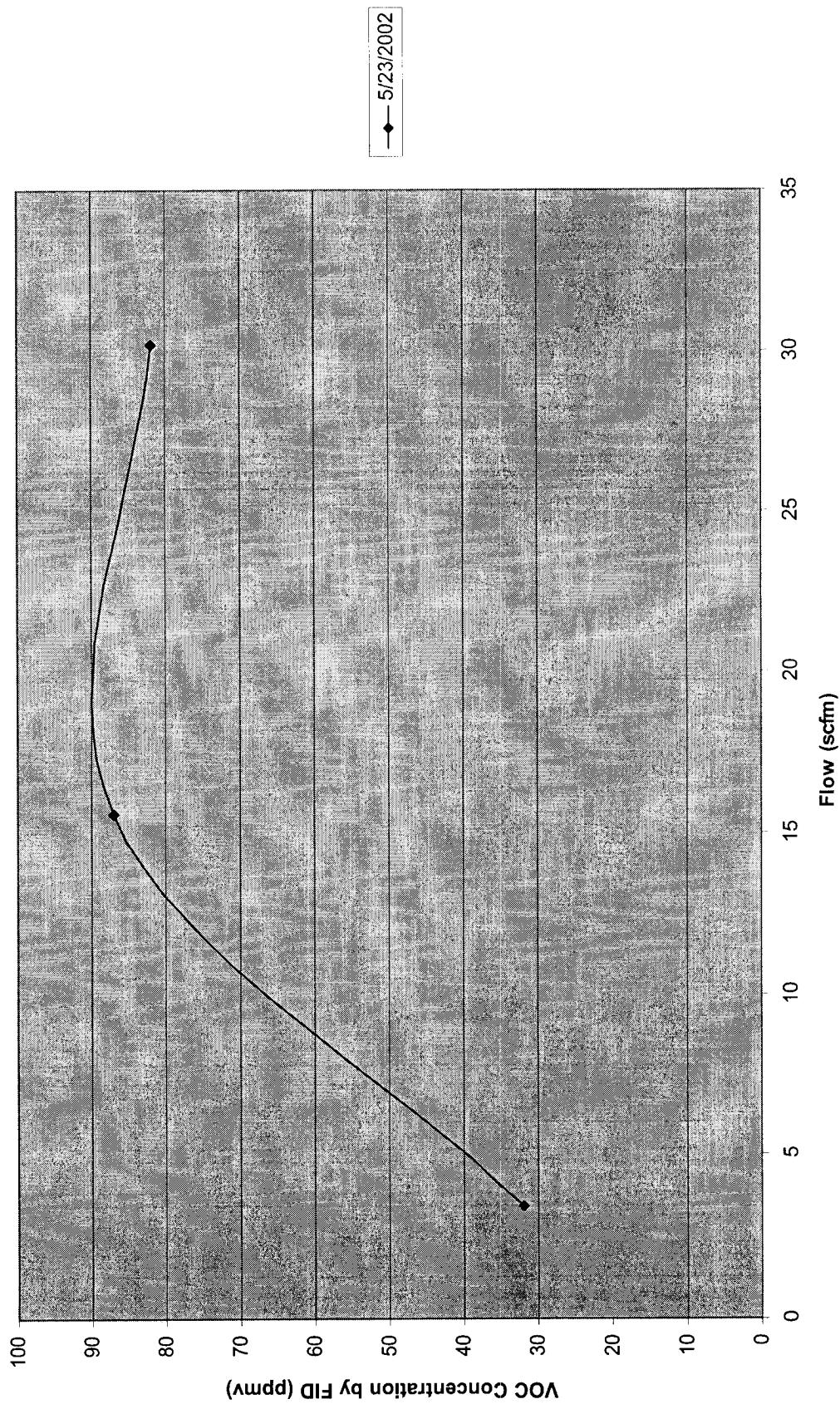
1-VIEW-1



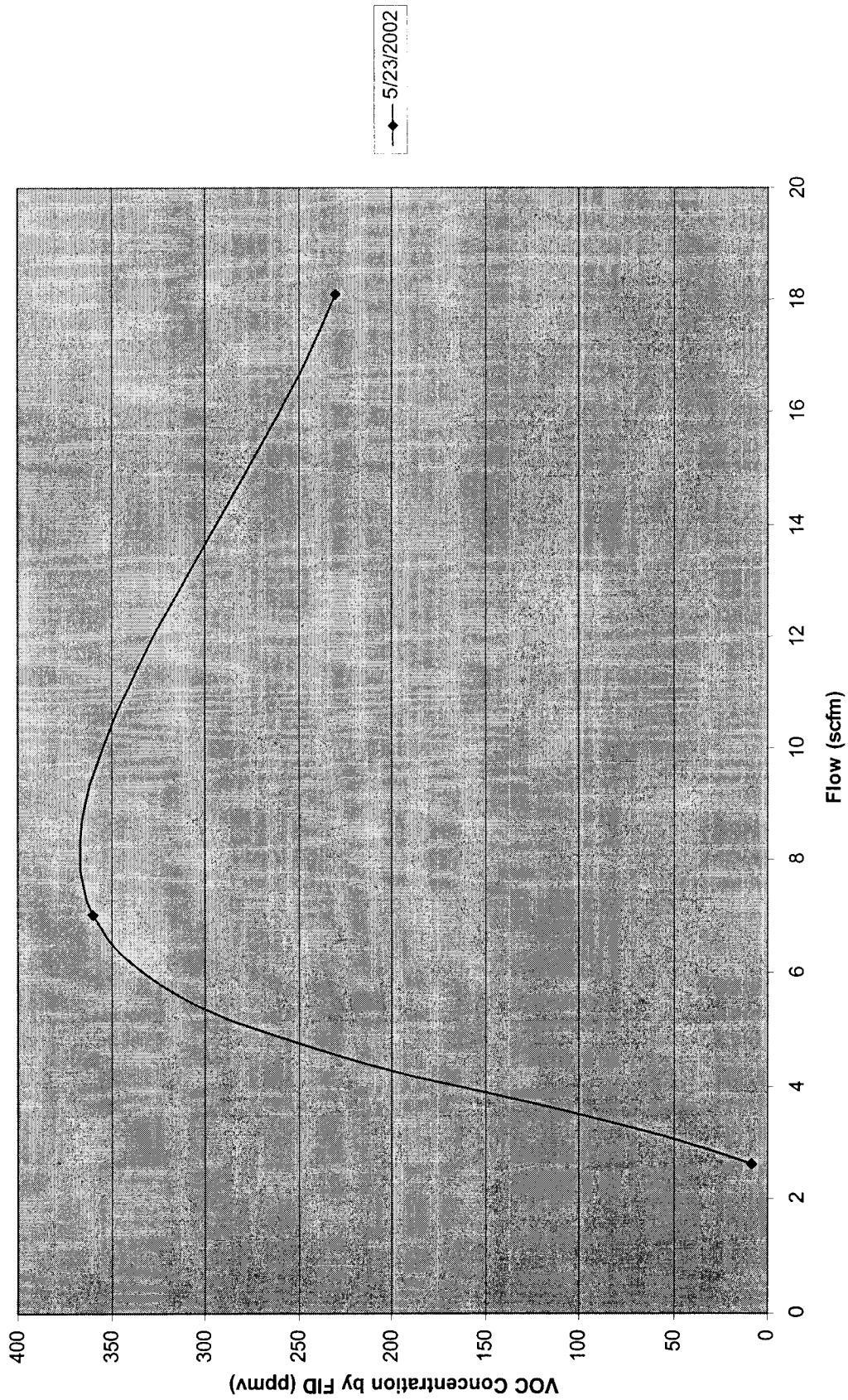
1-VIEW-2



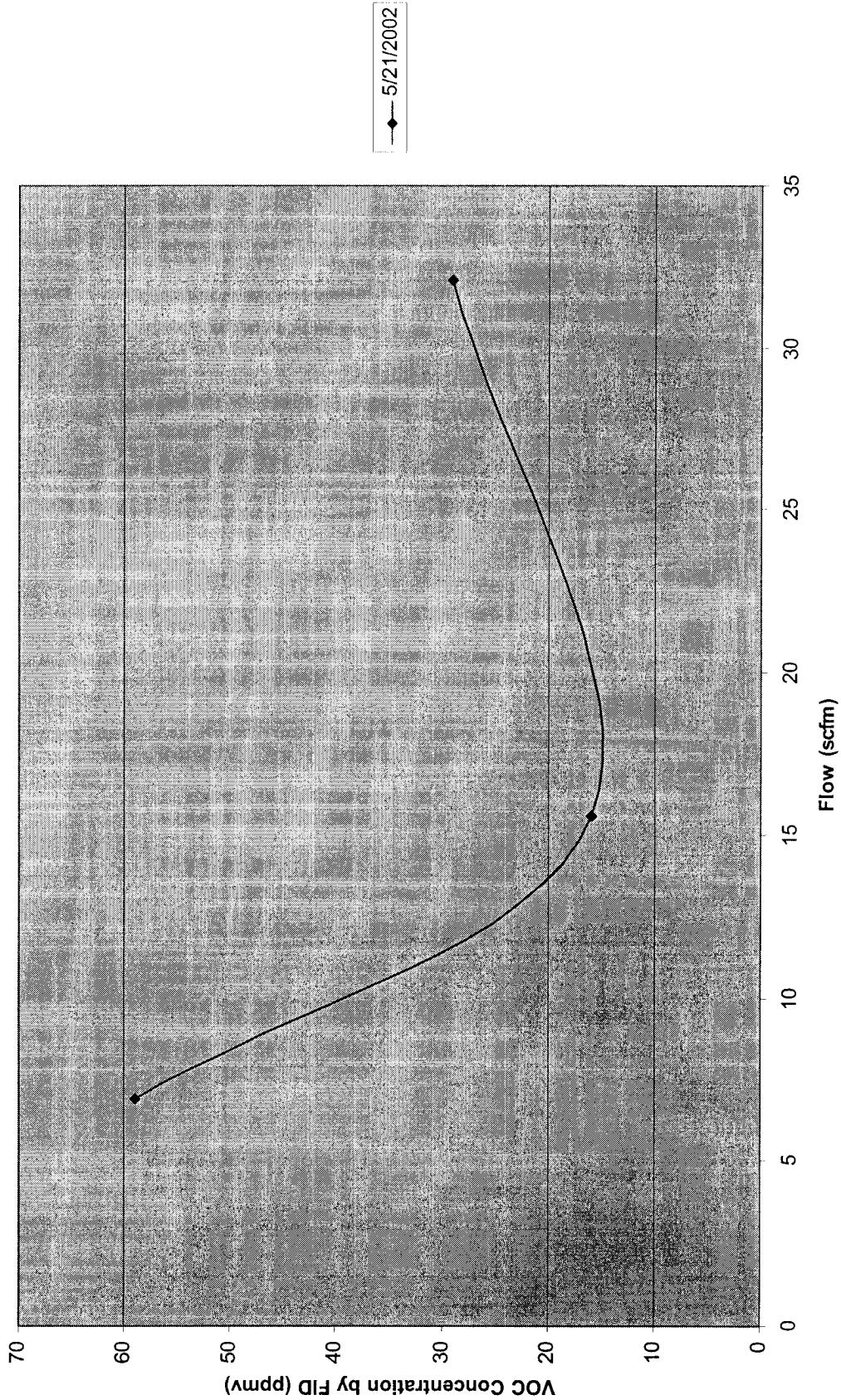
1-VIEW-3



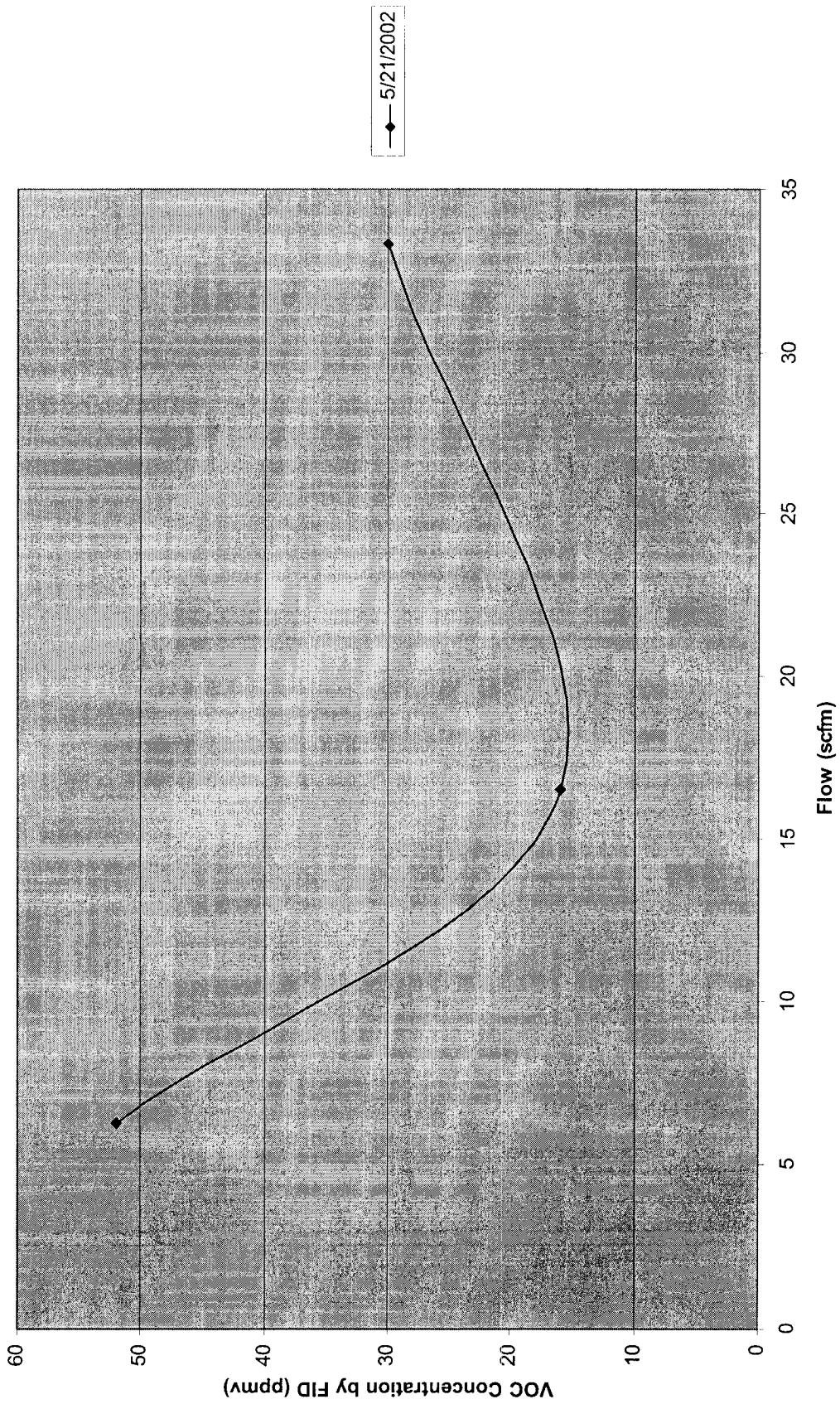
1-VIEW-4



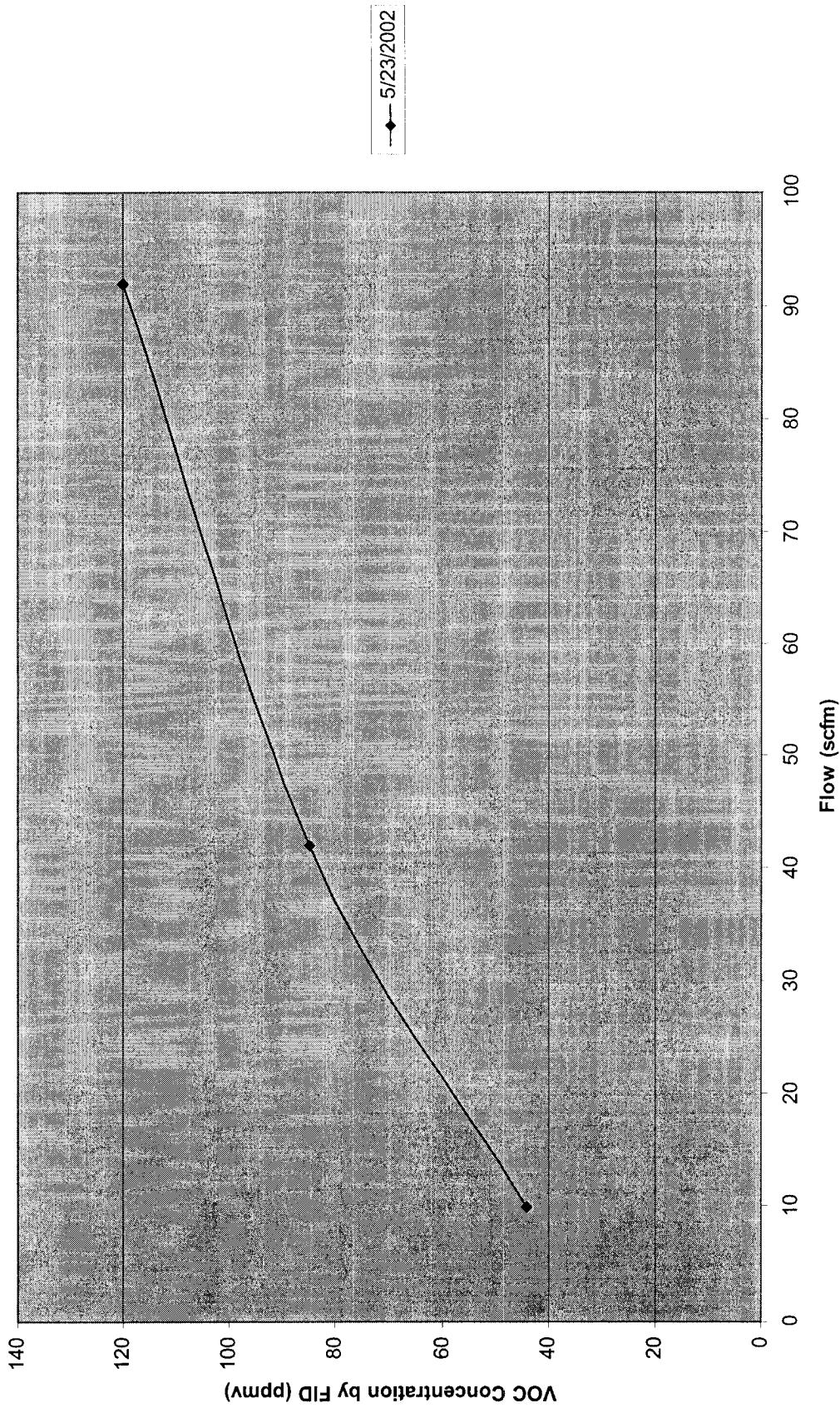
1-VIEW-5



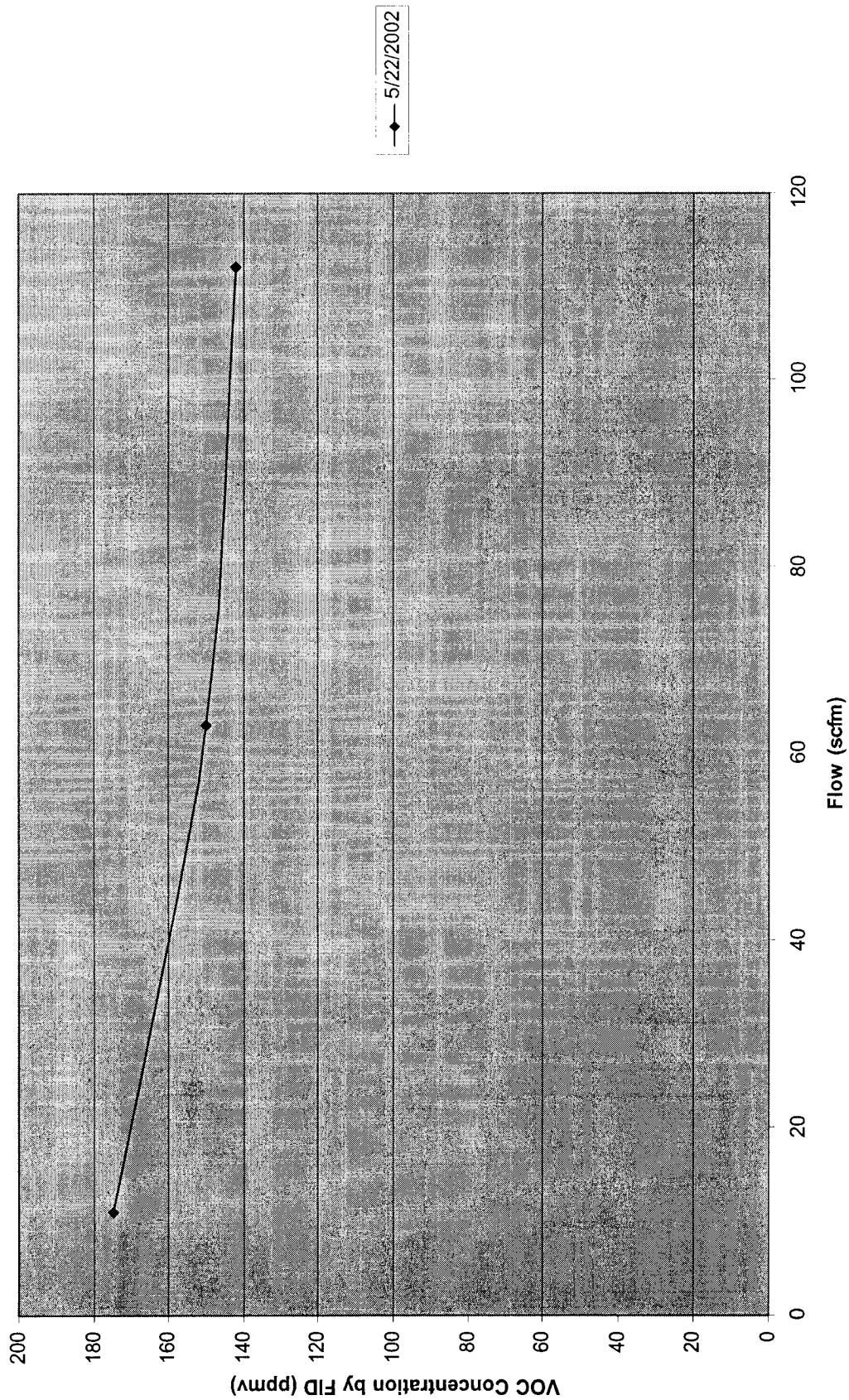
1-VIEW-6



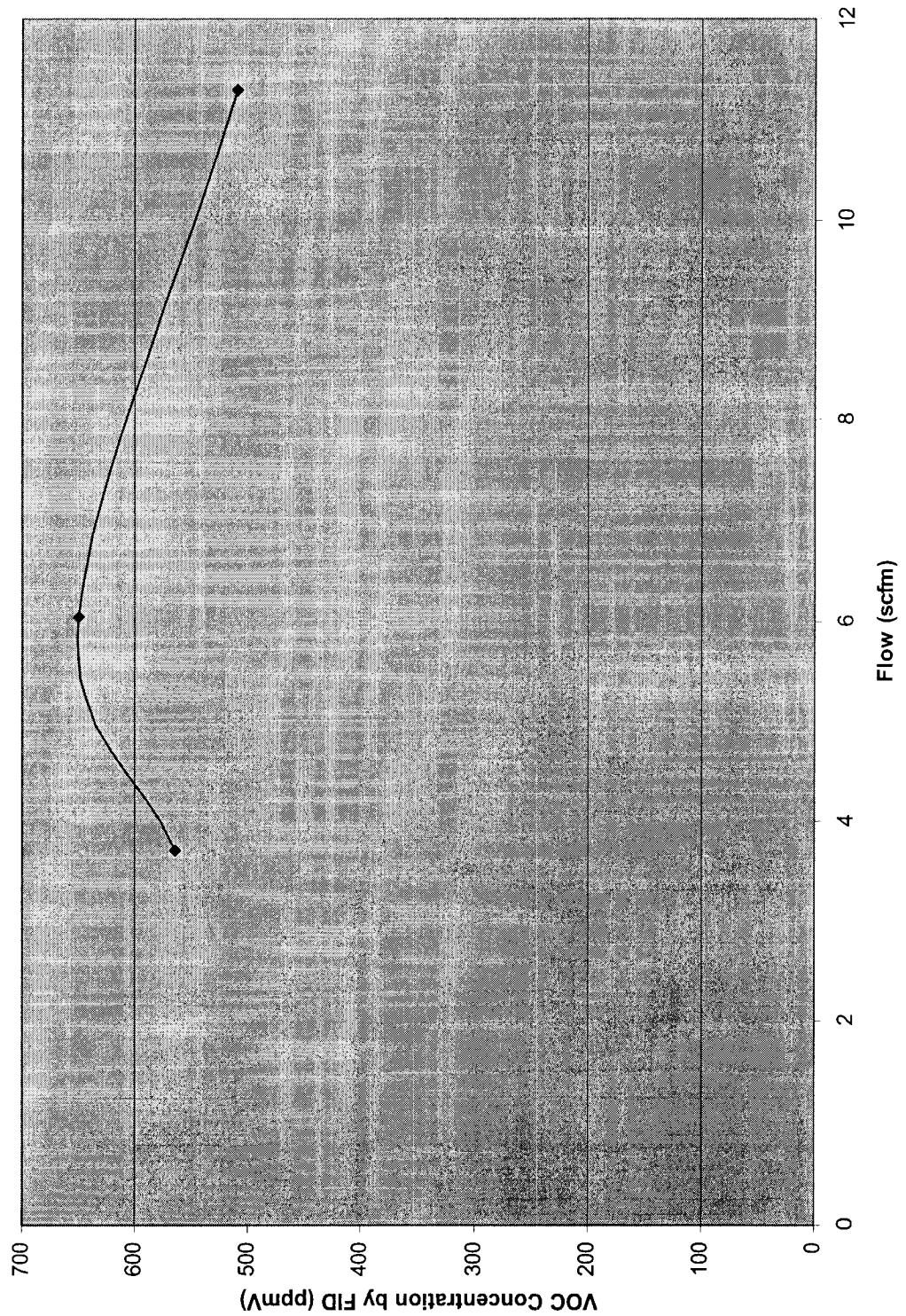
1-VIEW-7



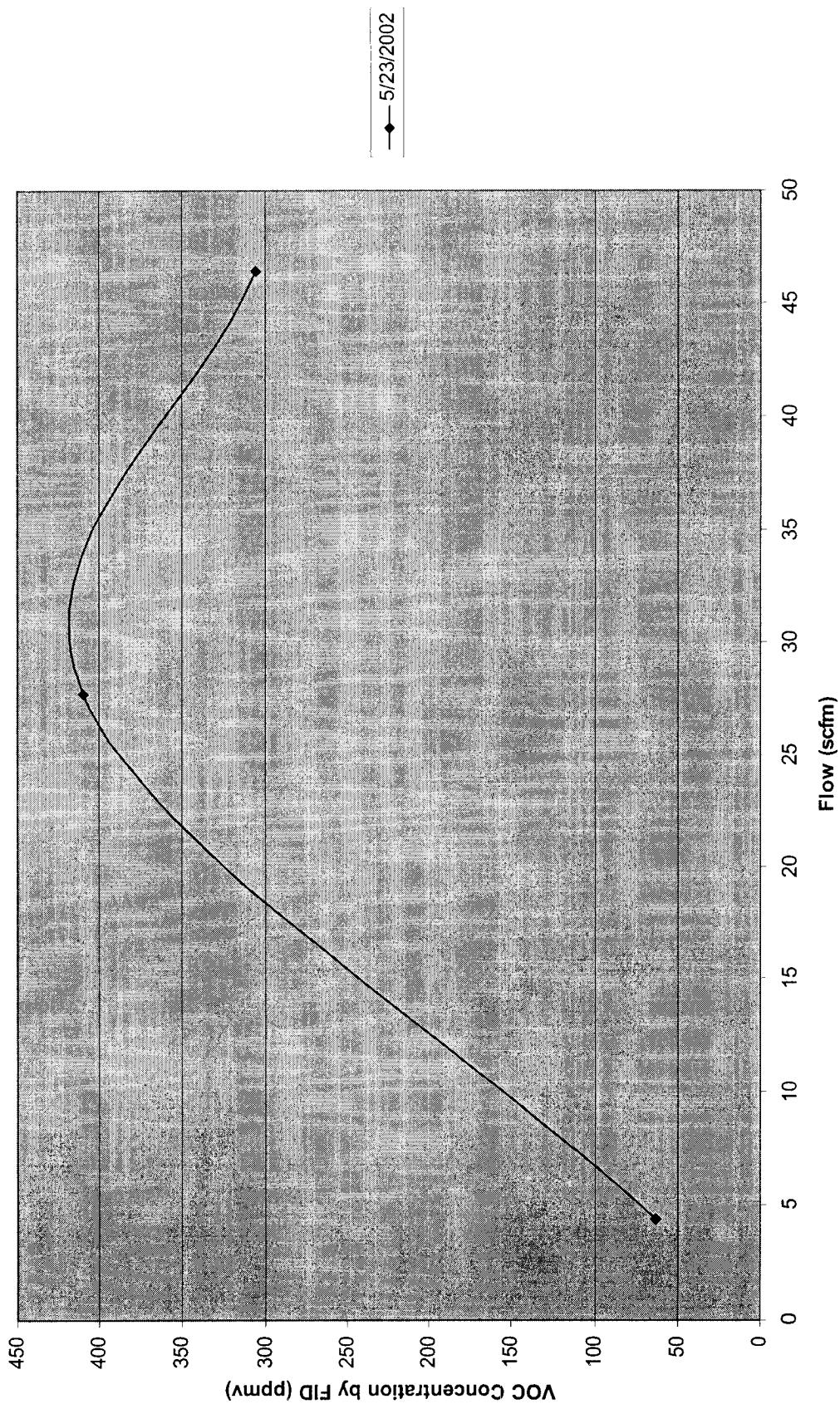
1-VEW-8A



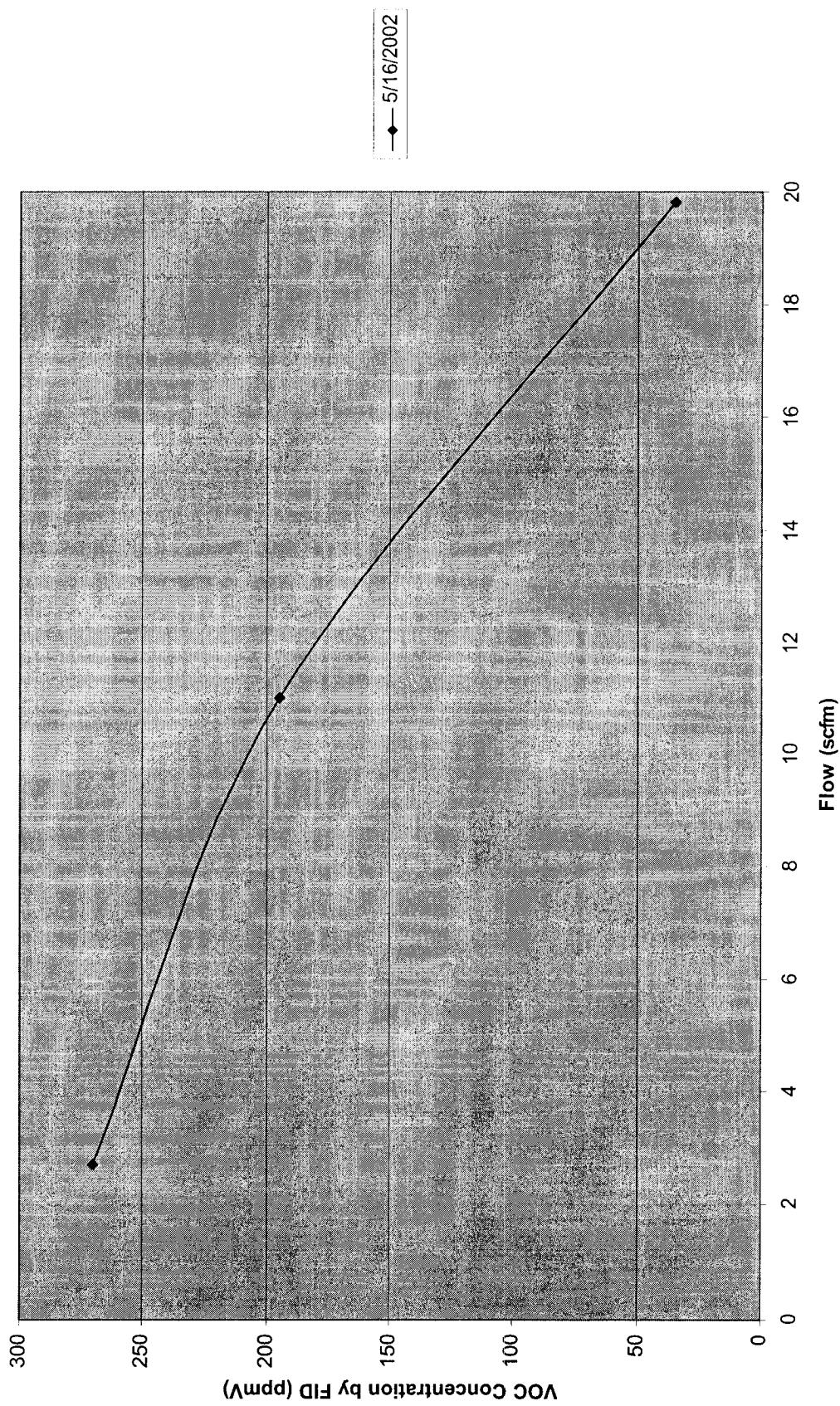
1-VEW-8B



1-VEW-9

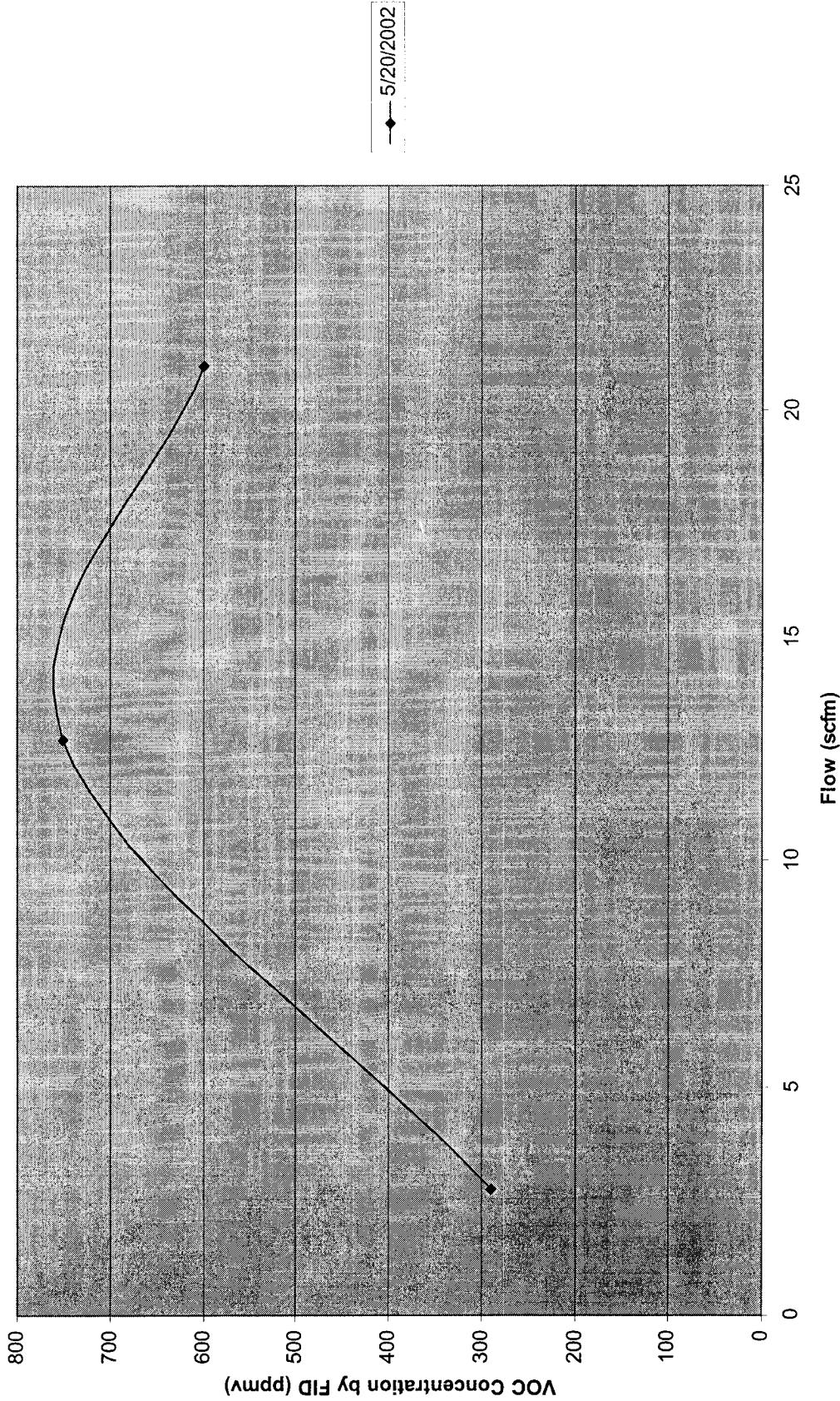


1-VIEW-10A

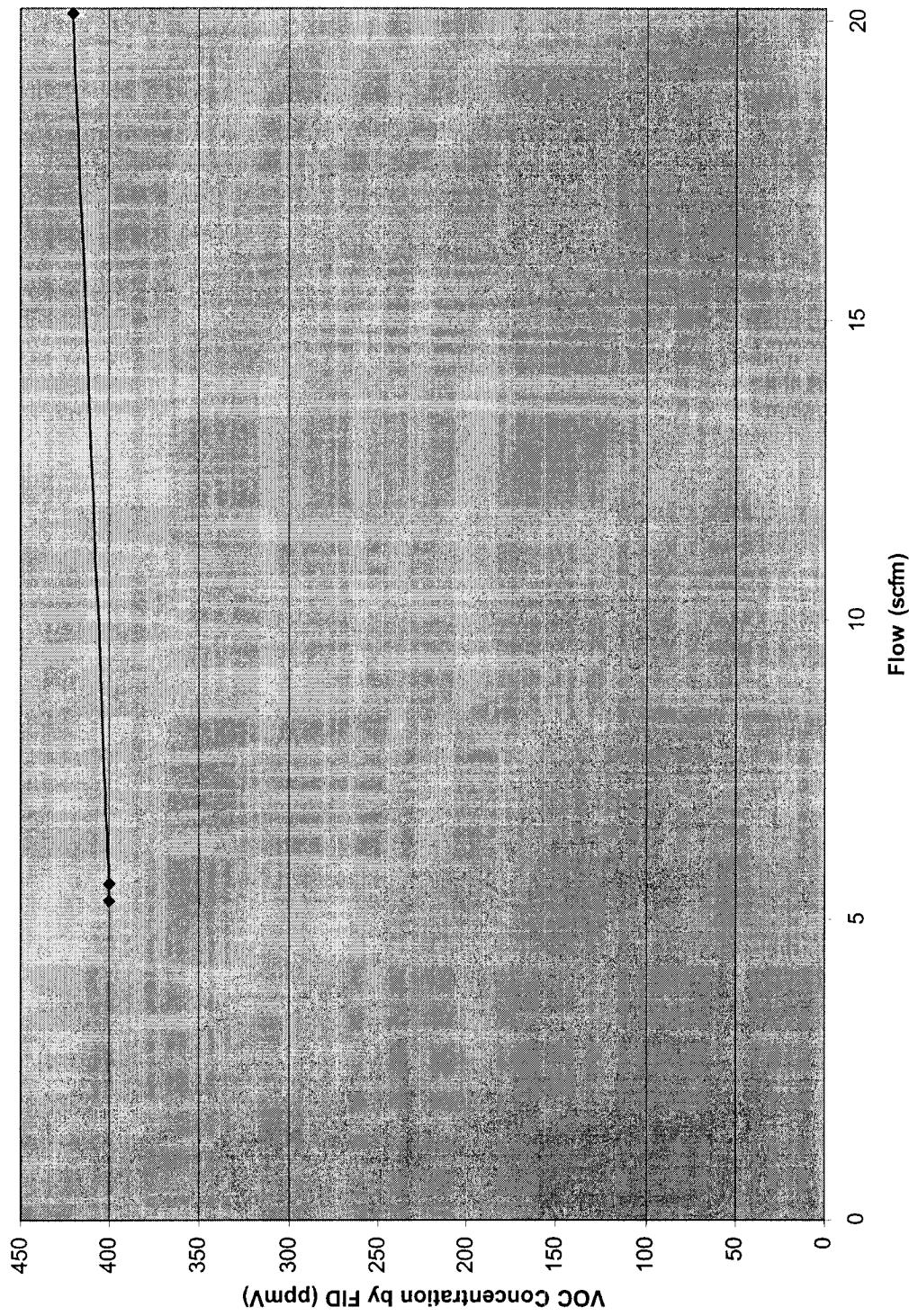


5/16/2002

**1-VIEW-10B**

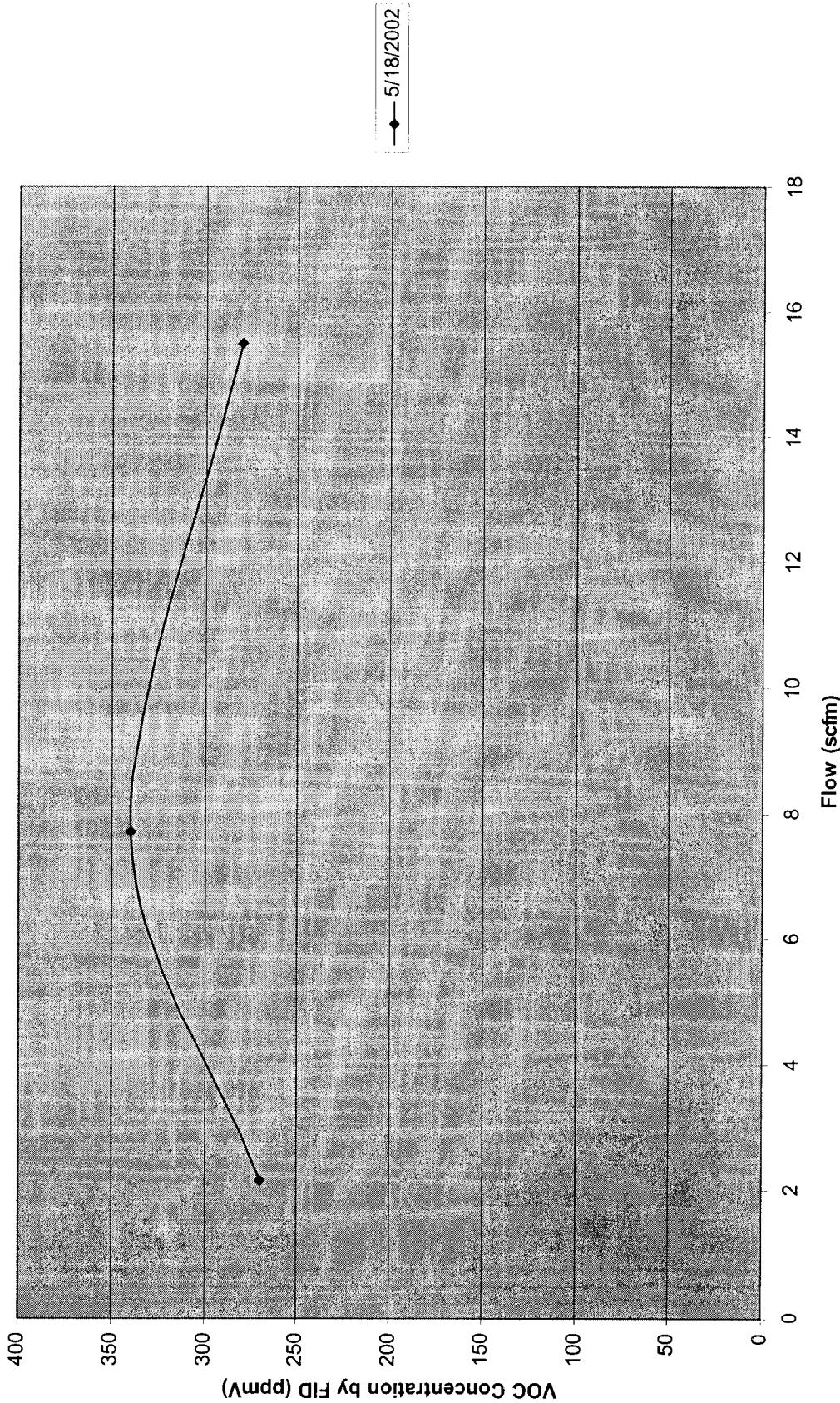


1-VIEW-11A

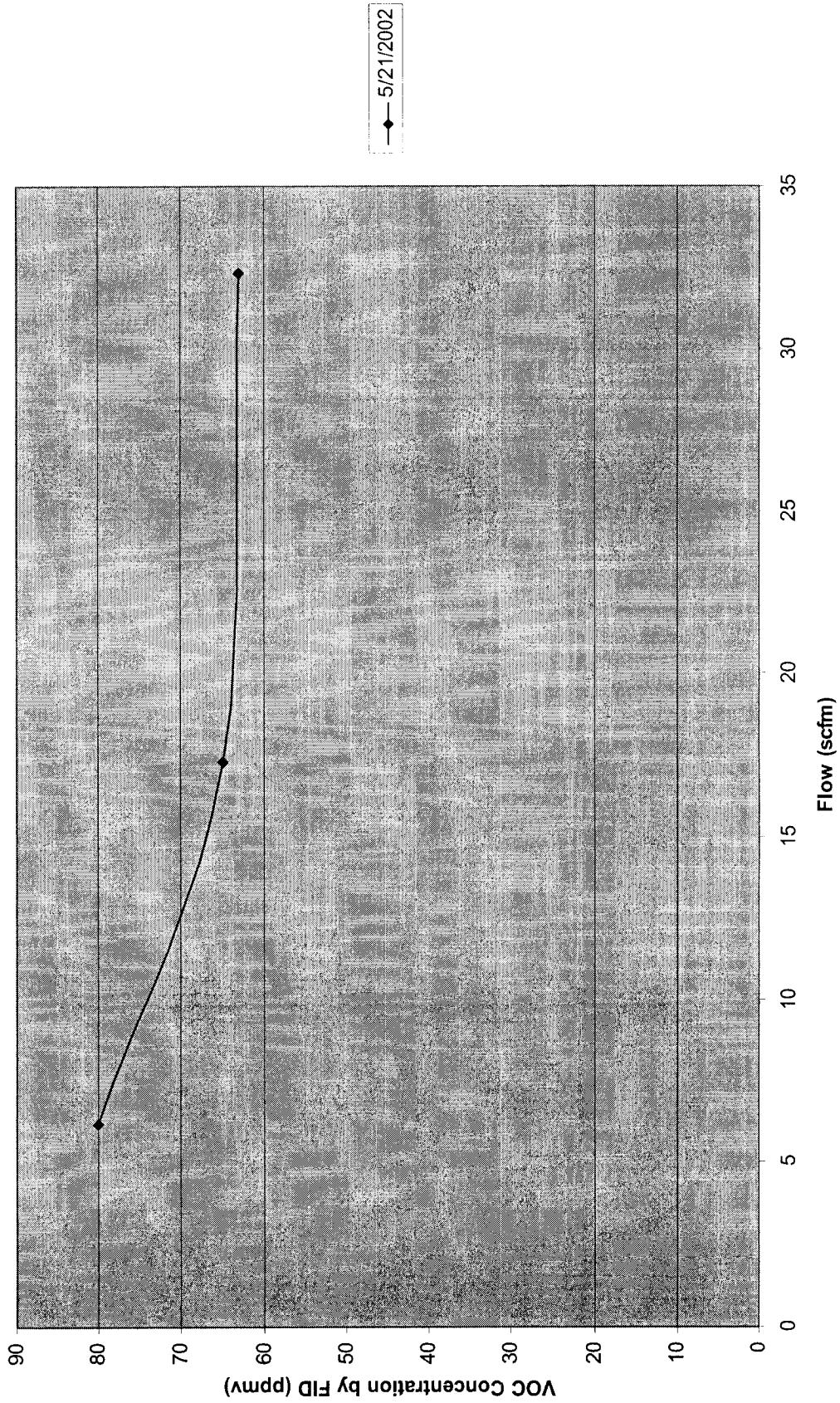


5/15/2002

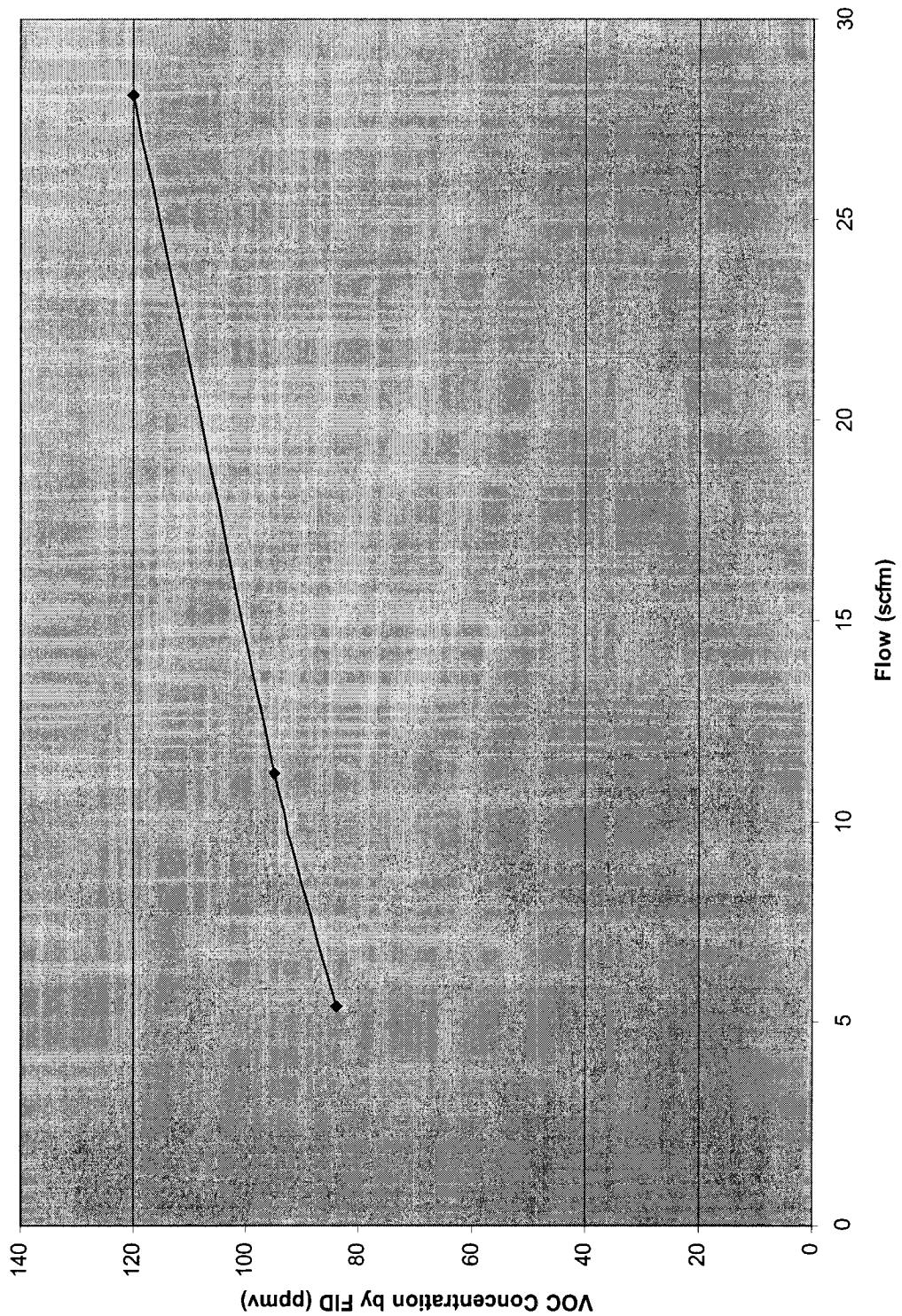
1-VIEW-11B



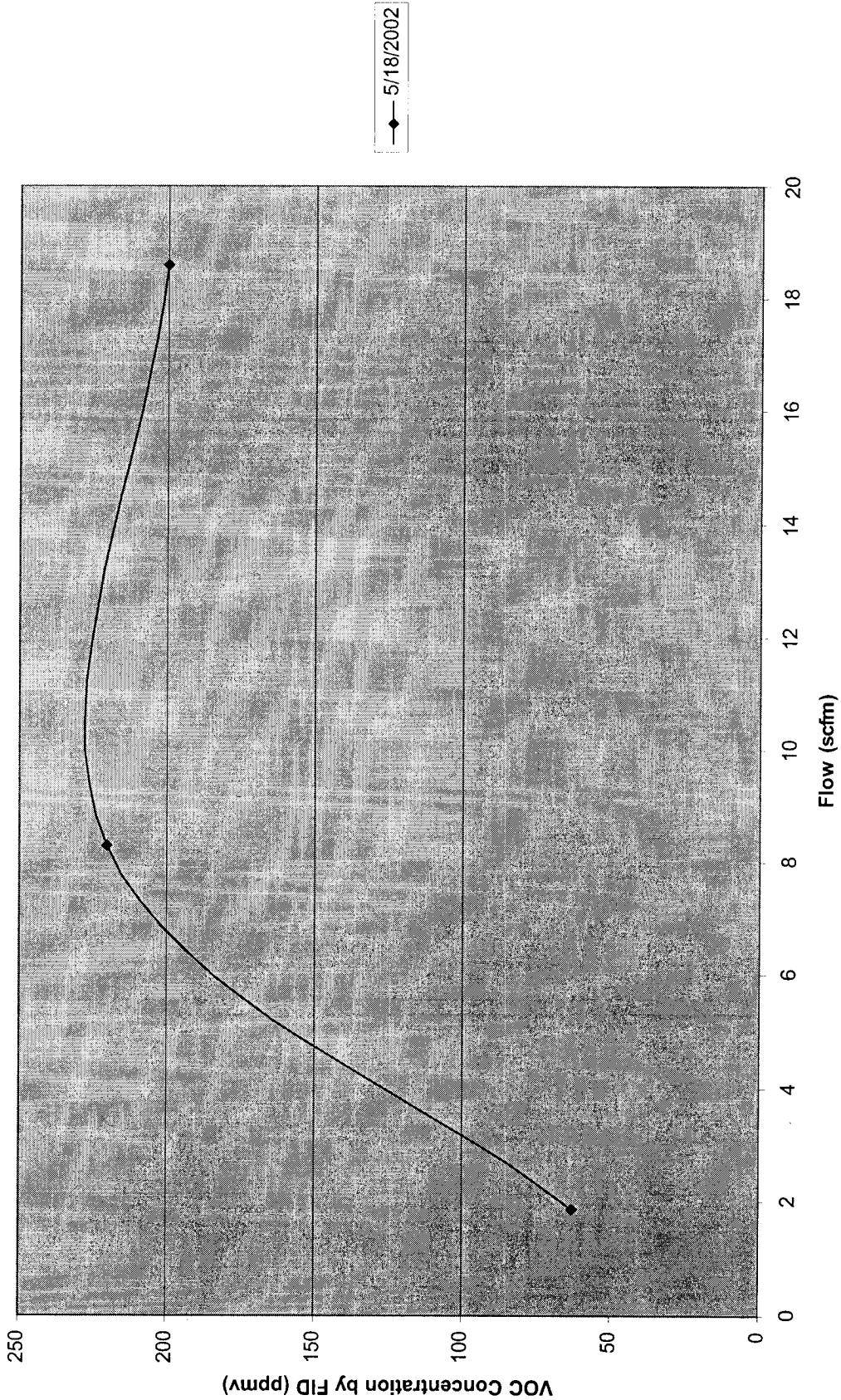
1-VIEW-12



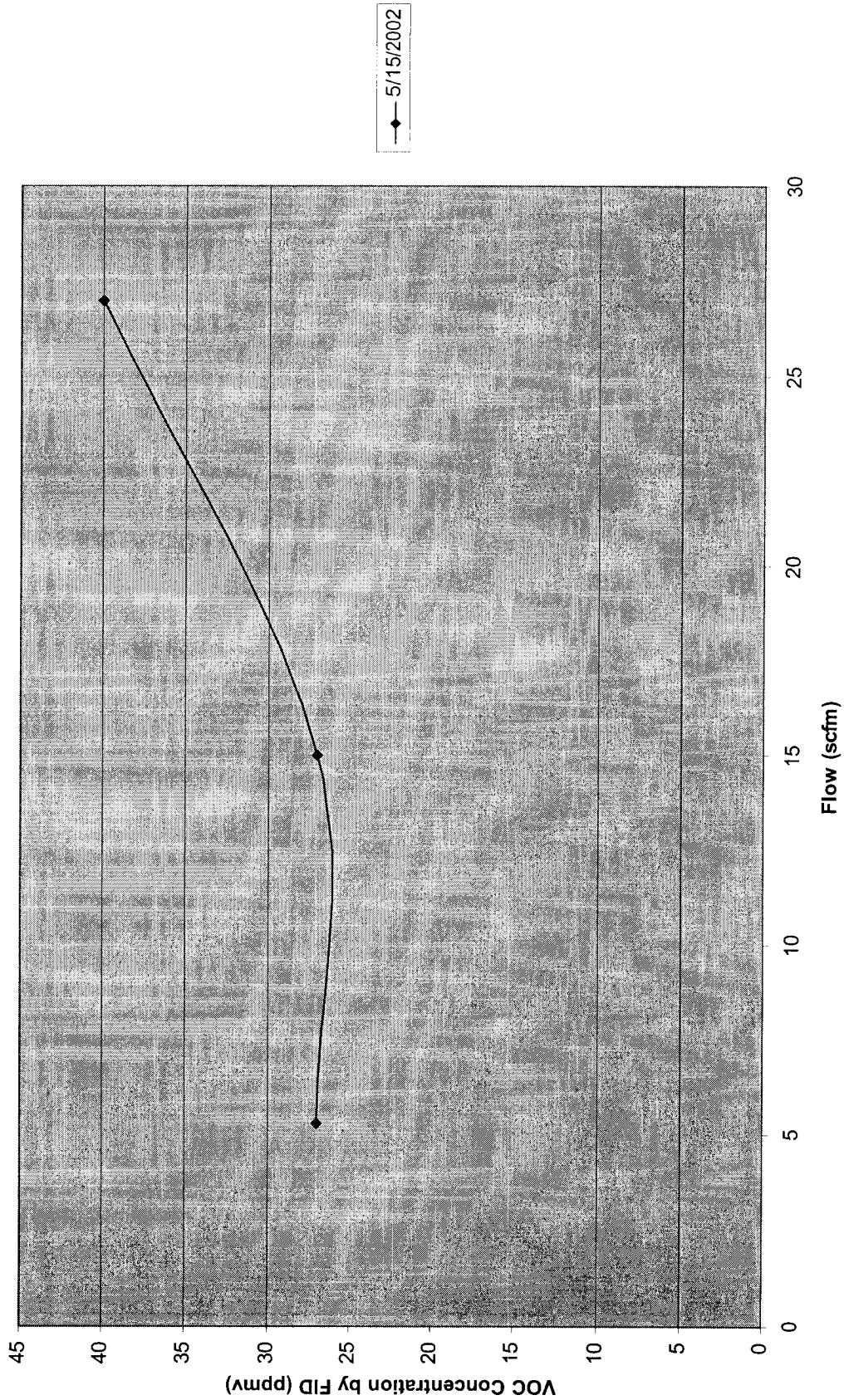
1-VEW-13A



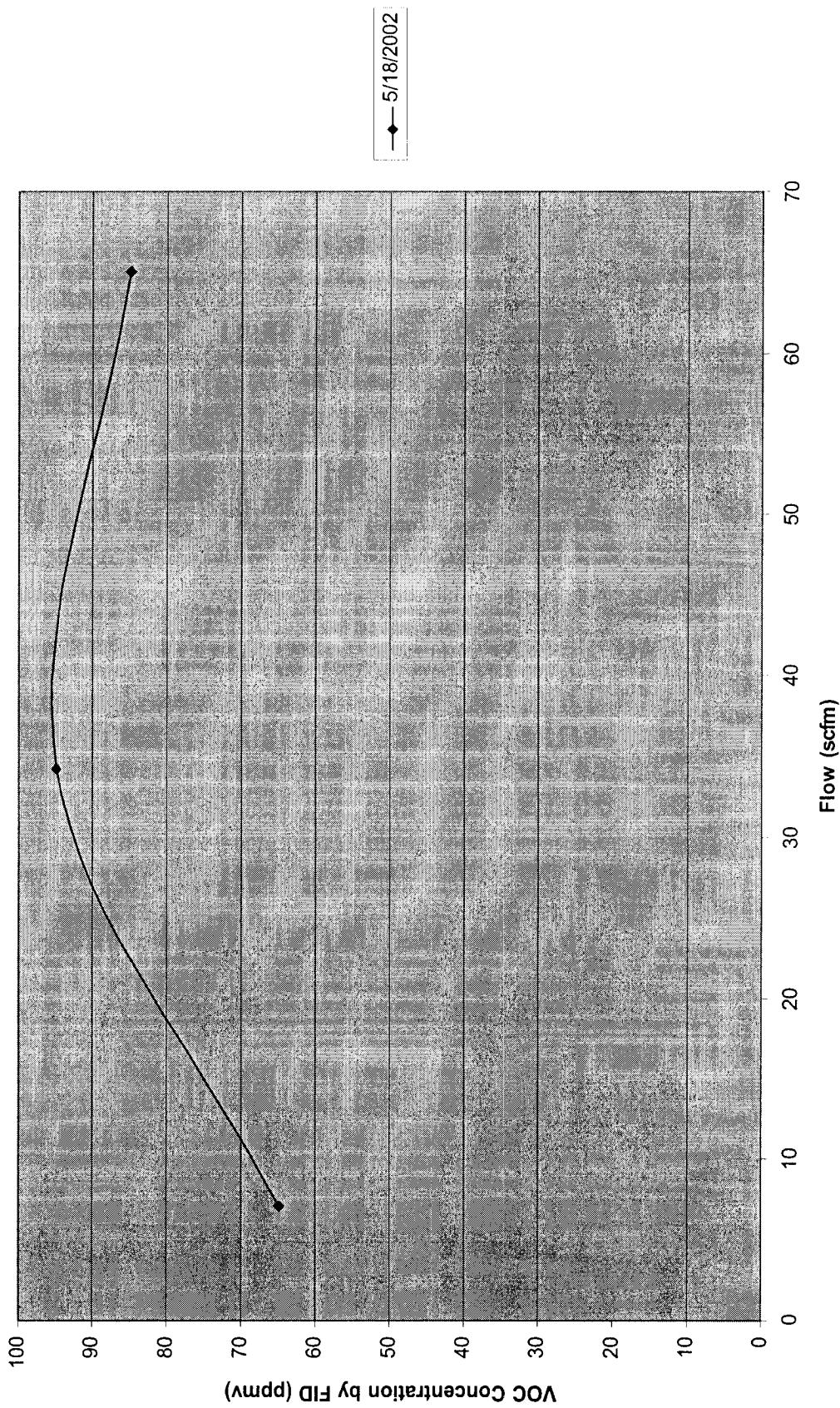
1-VIEW-13B



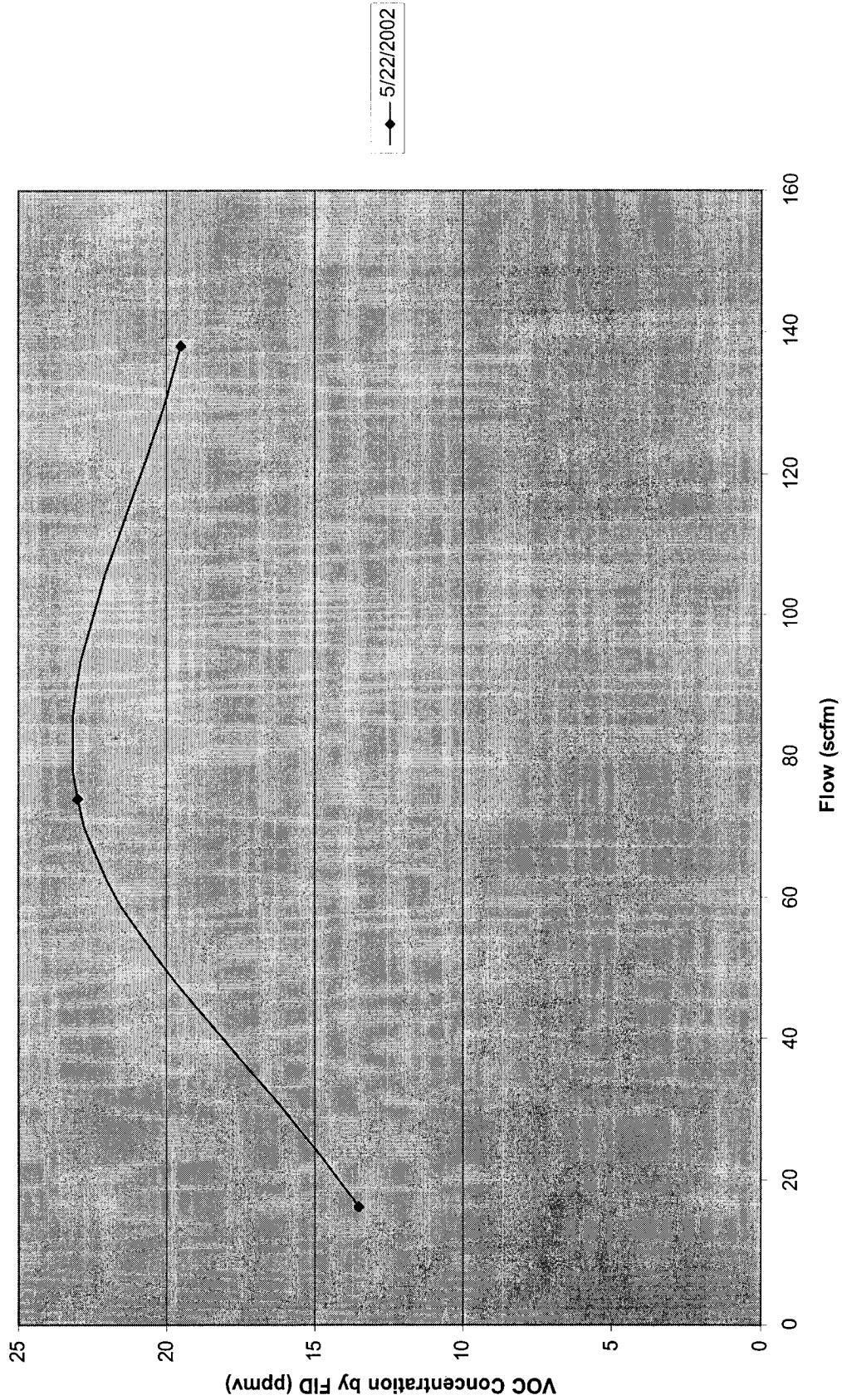
1-VIEW-14A



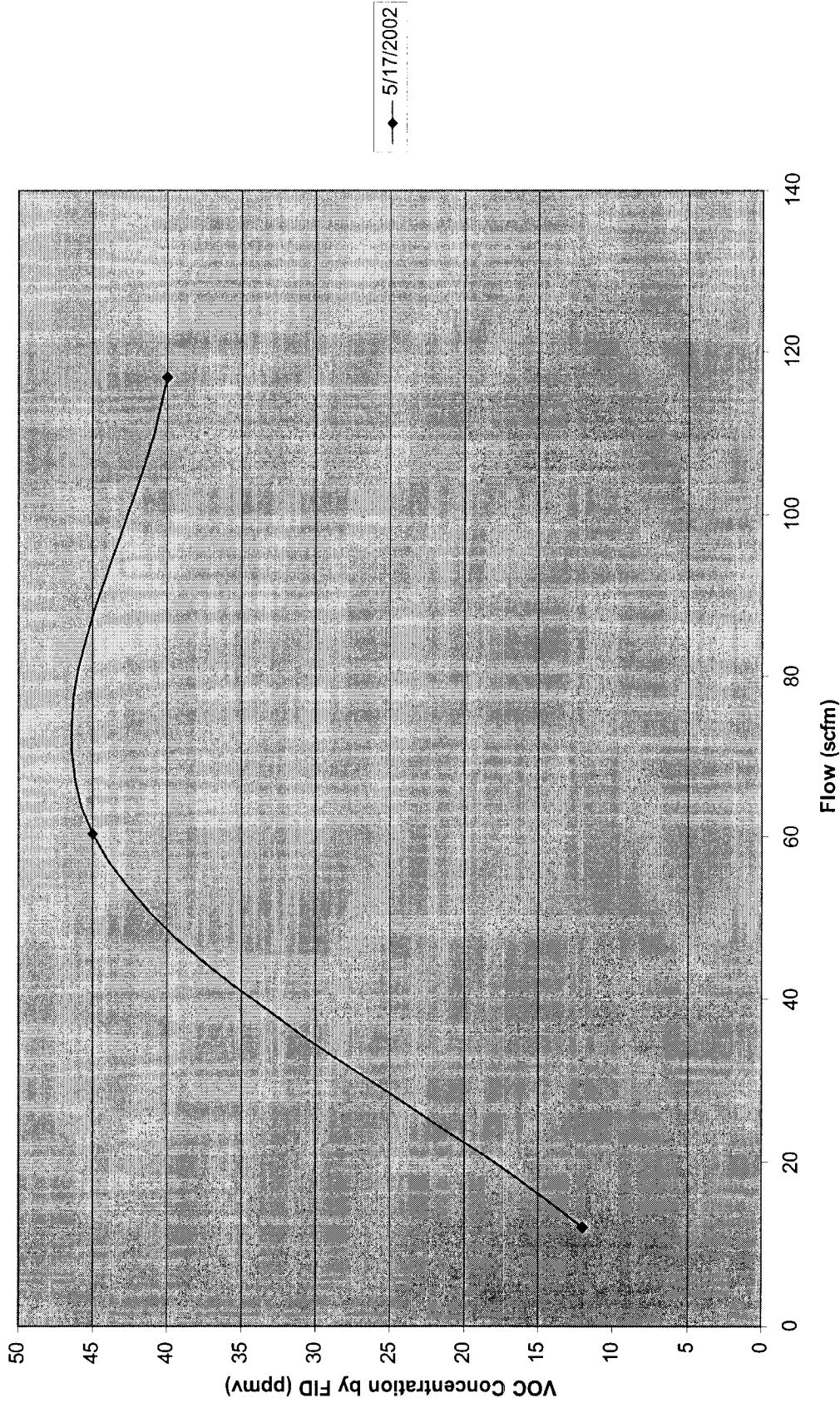
1-VIEW-14B



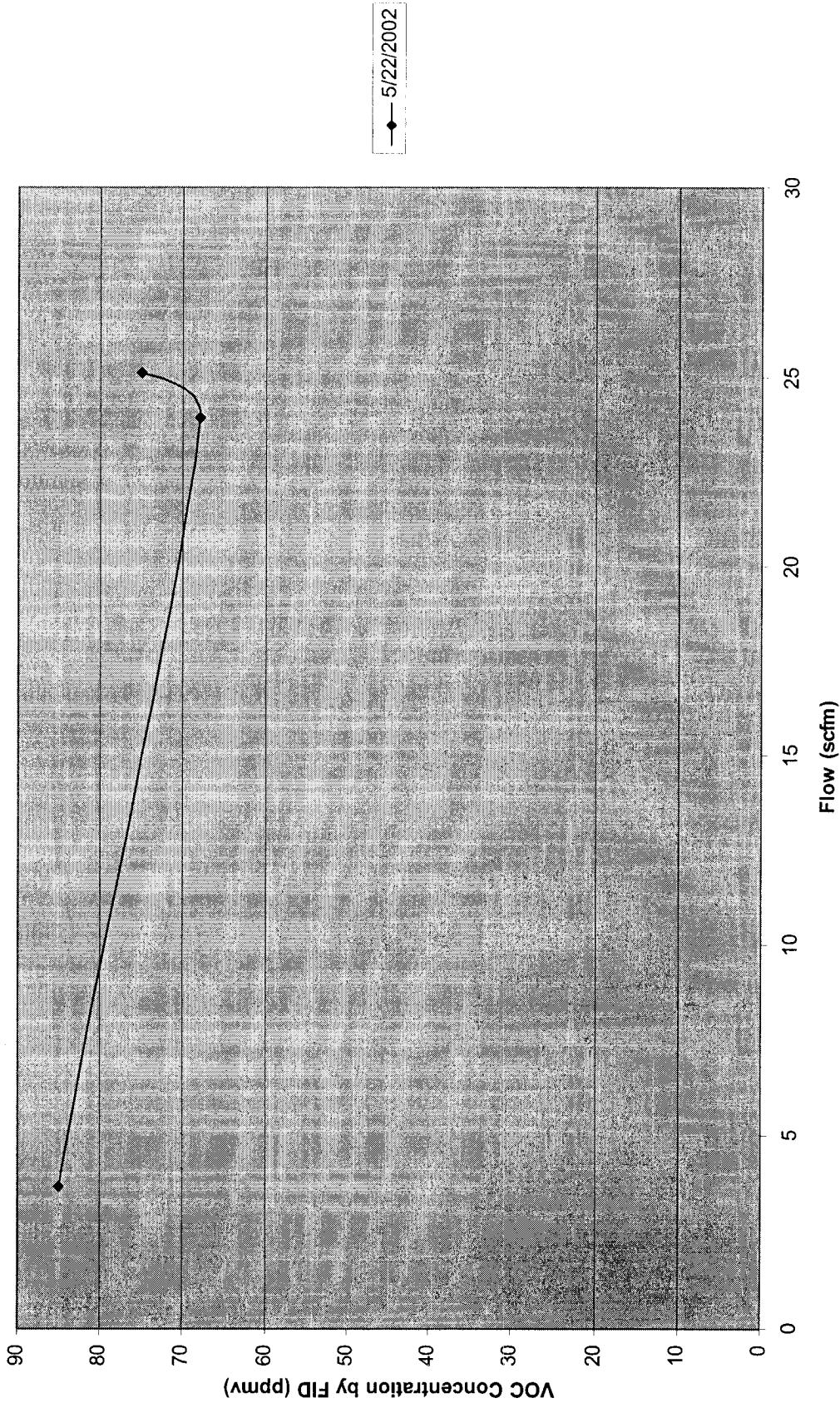
1-VIEW-15A



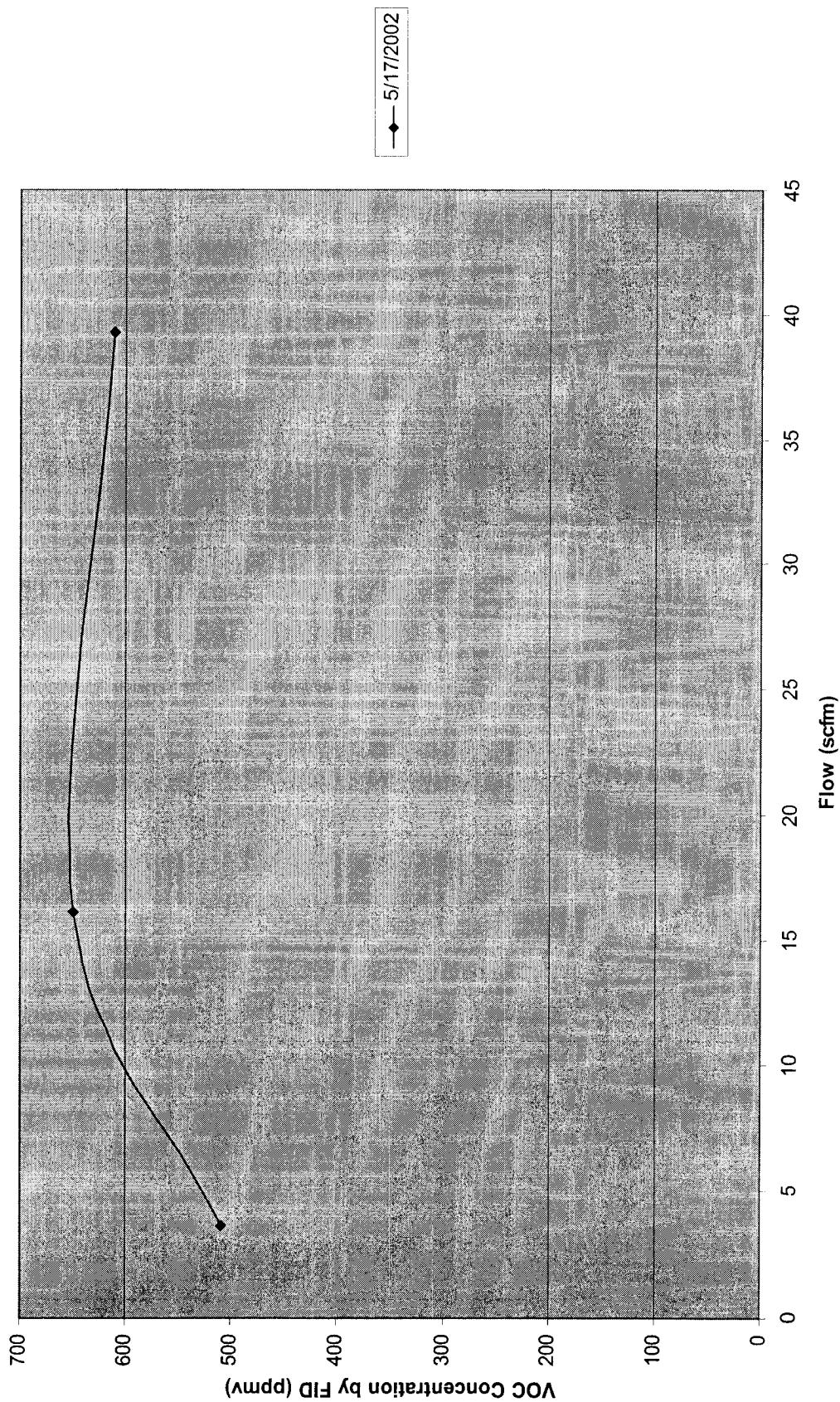
1-VEW-15B



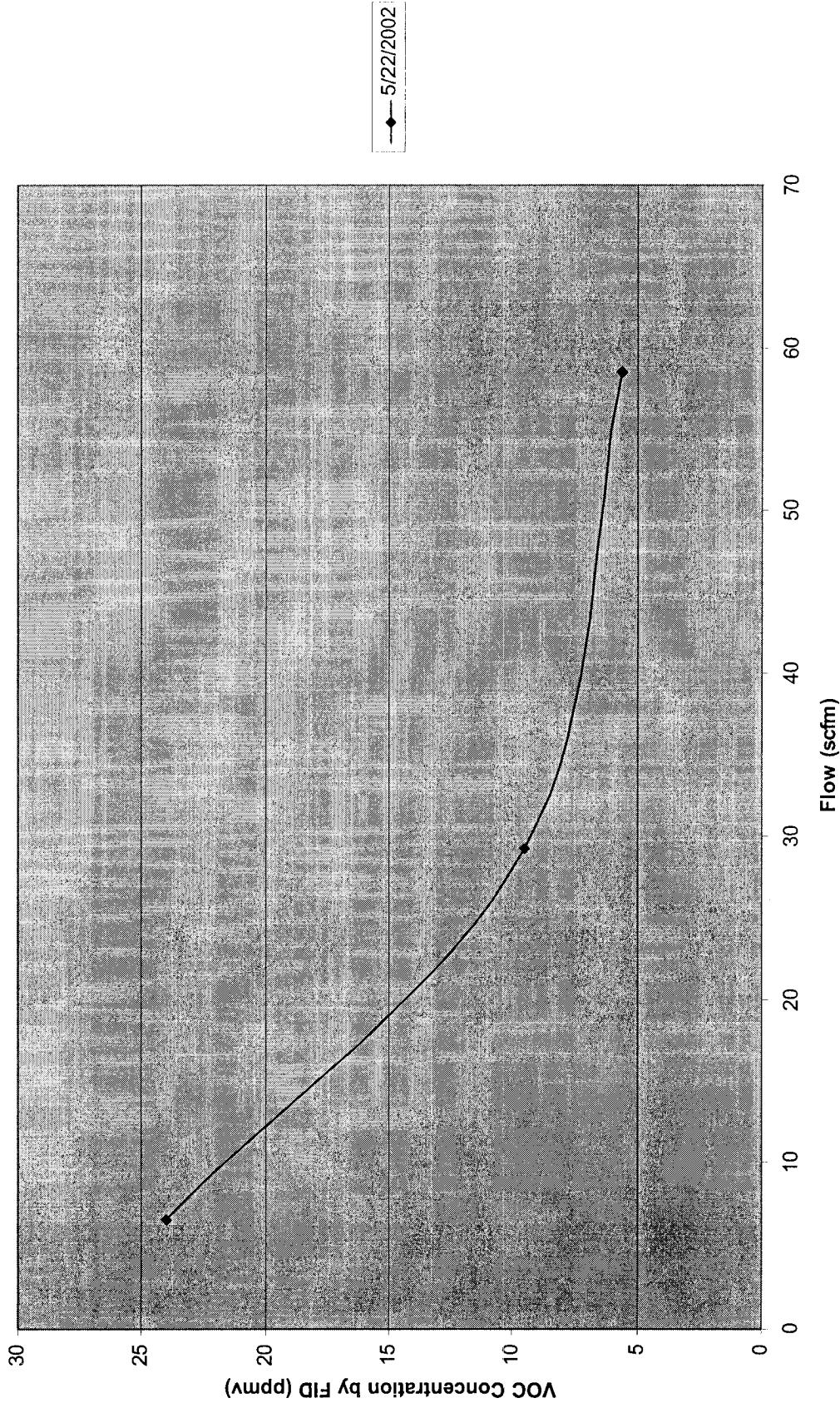
1-VIEW-16A



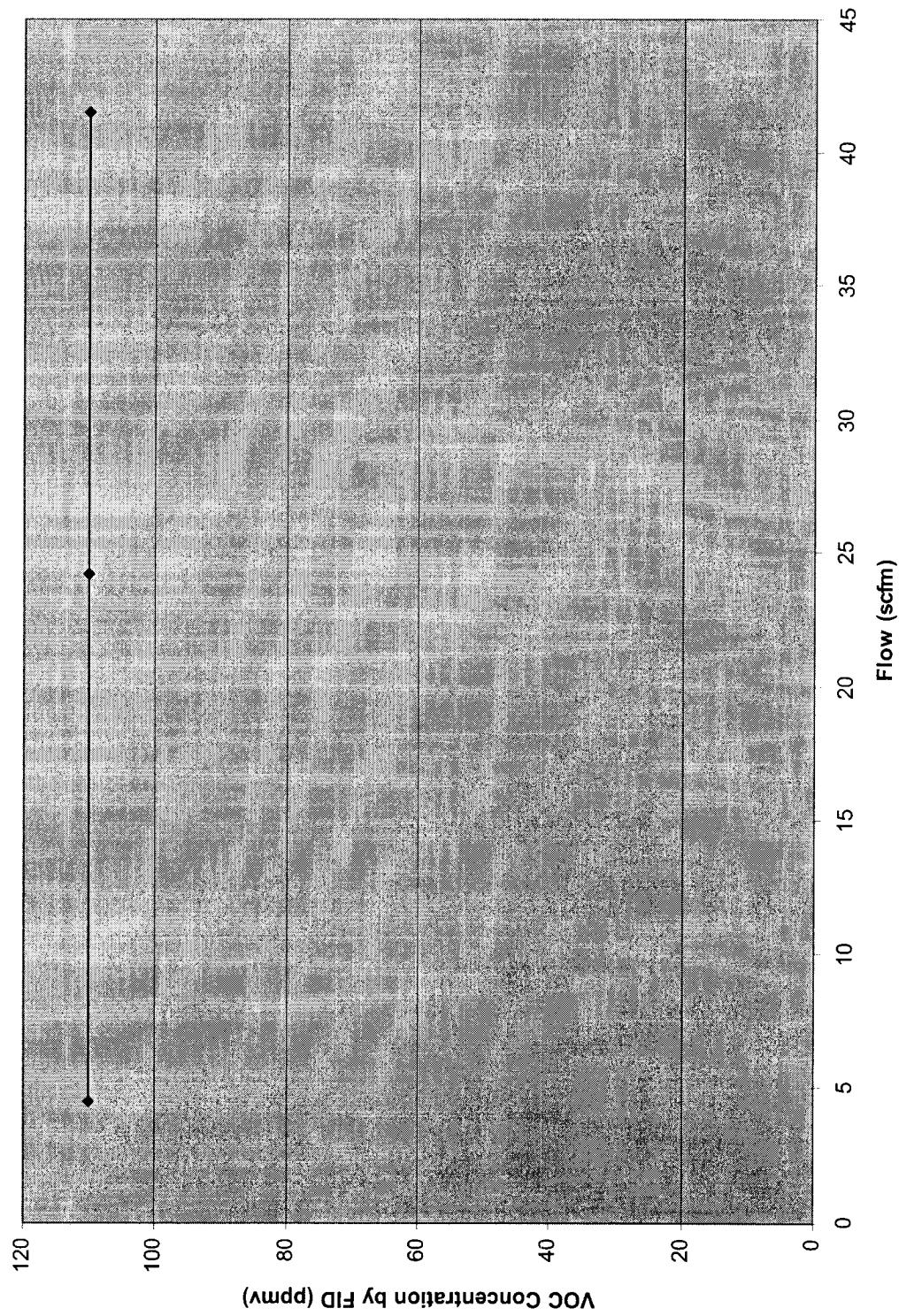
1-VIEW-16B



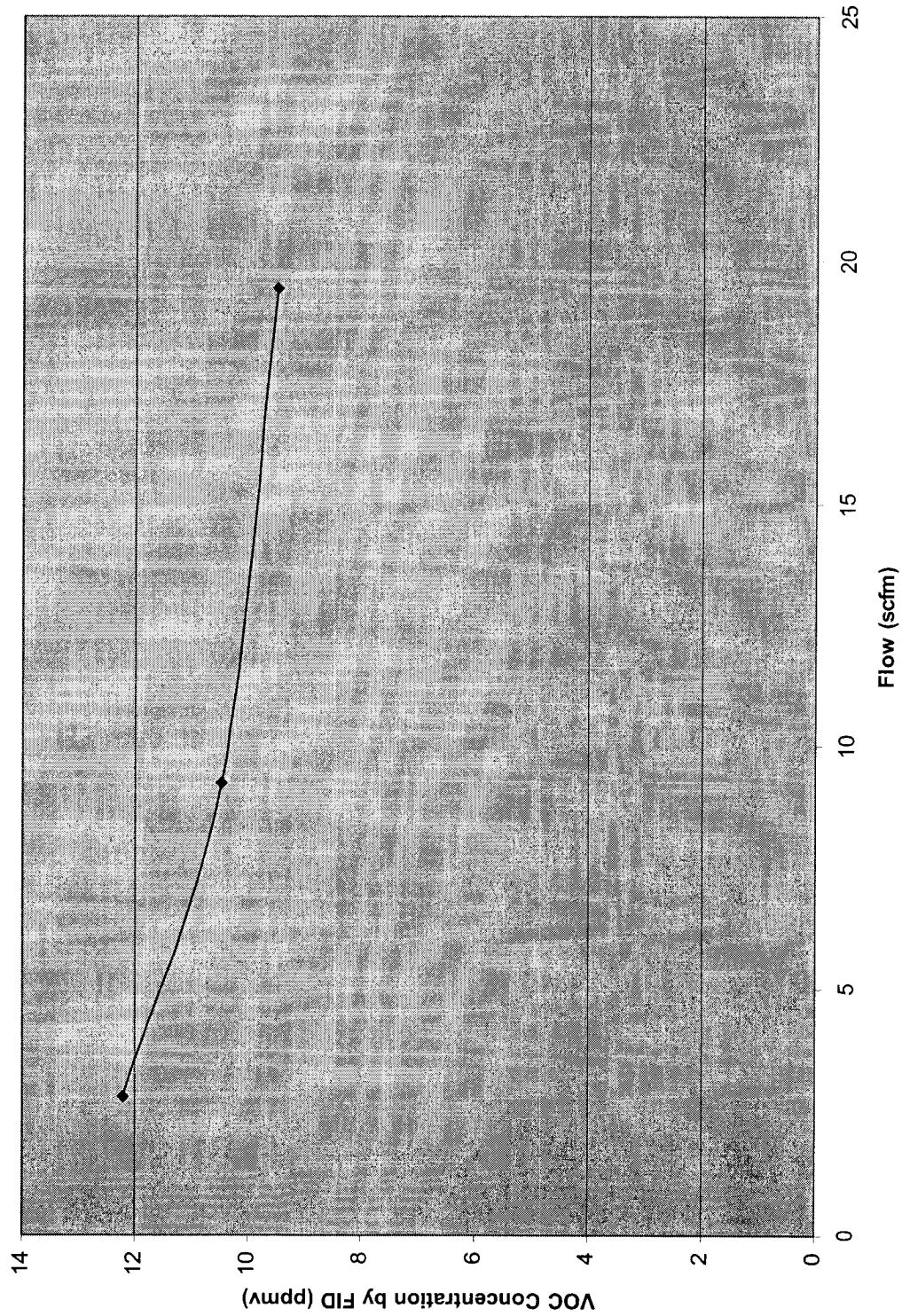
1-VIEW-17A



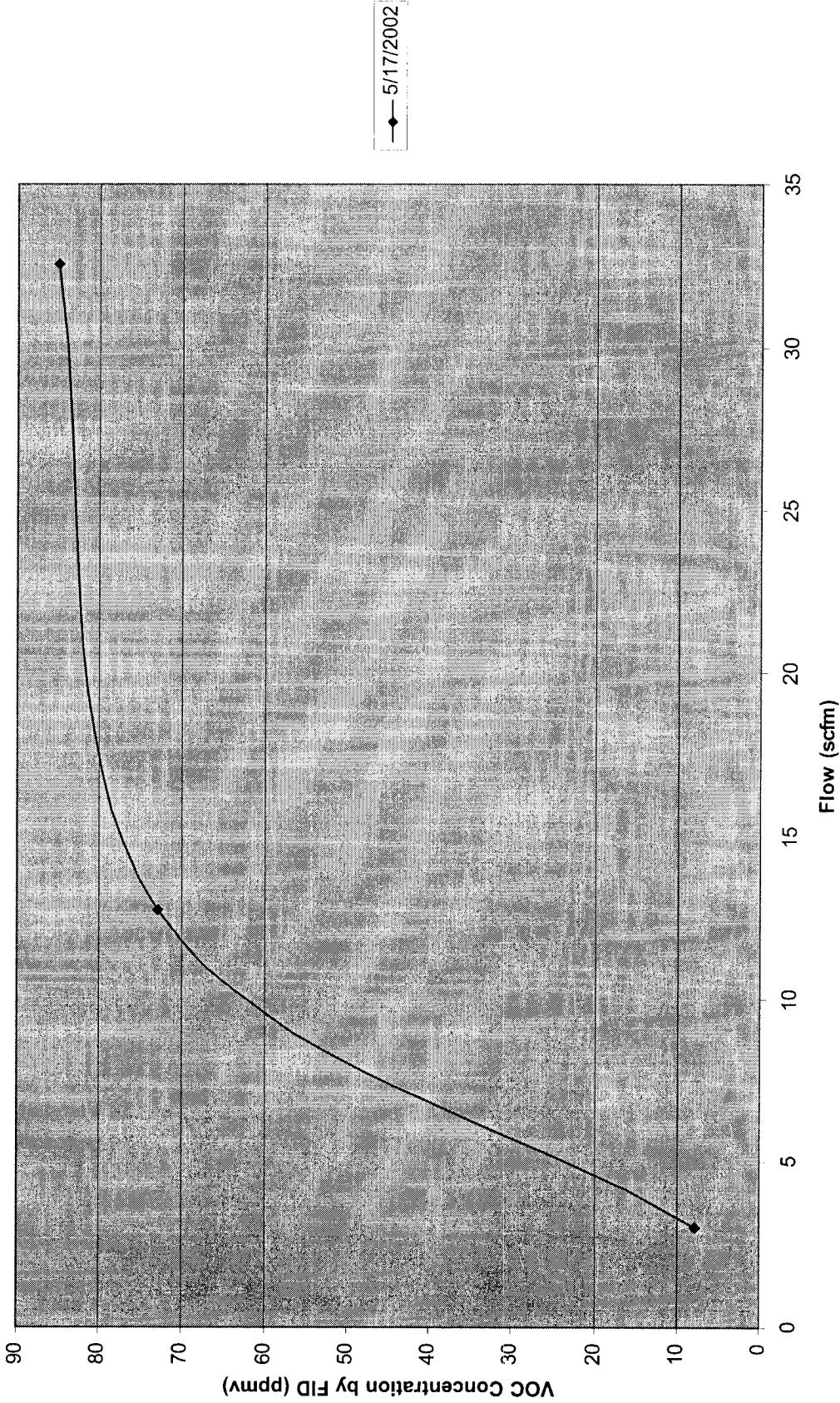
1-VIEW-17B



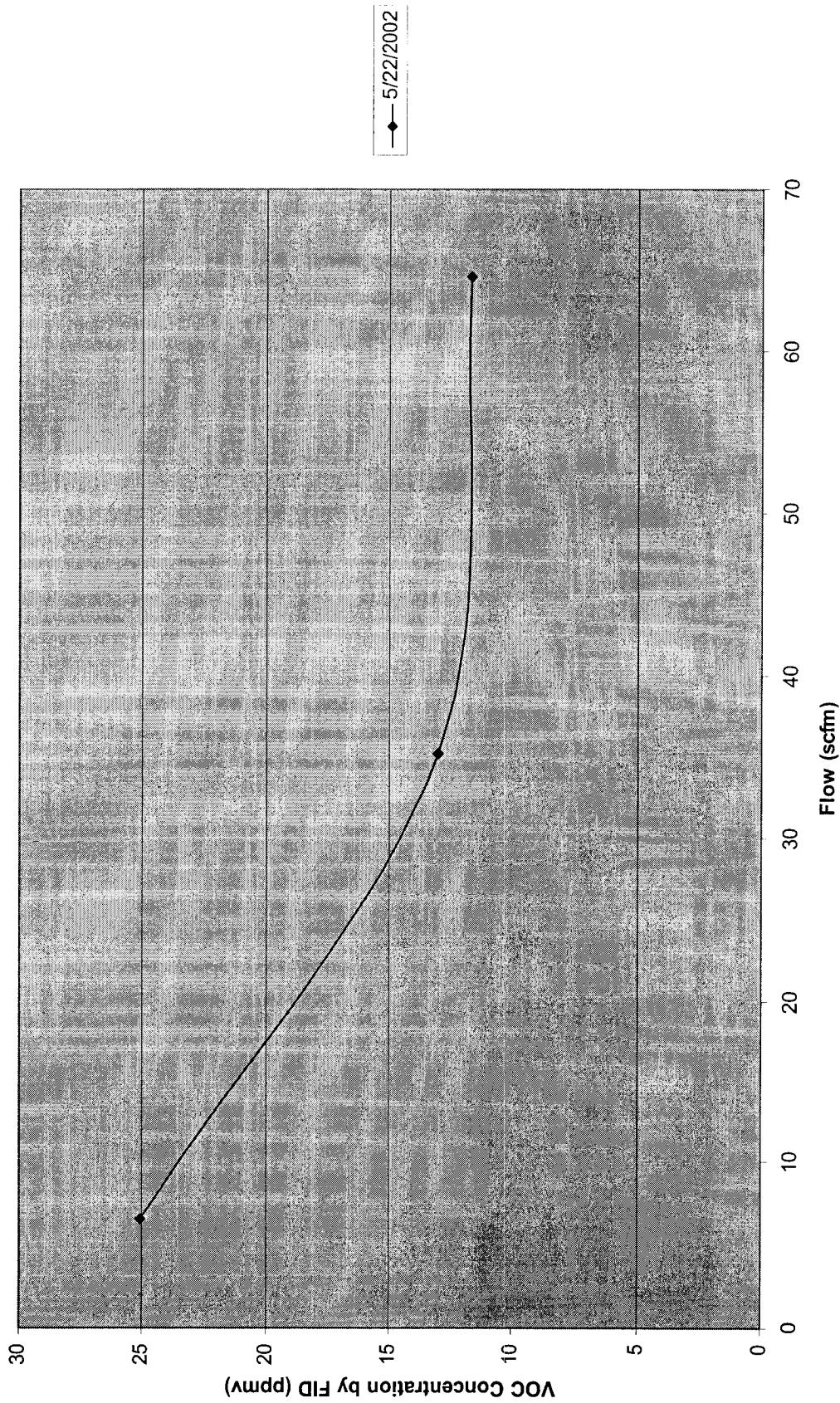
1-VIEW-18A



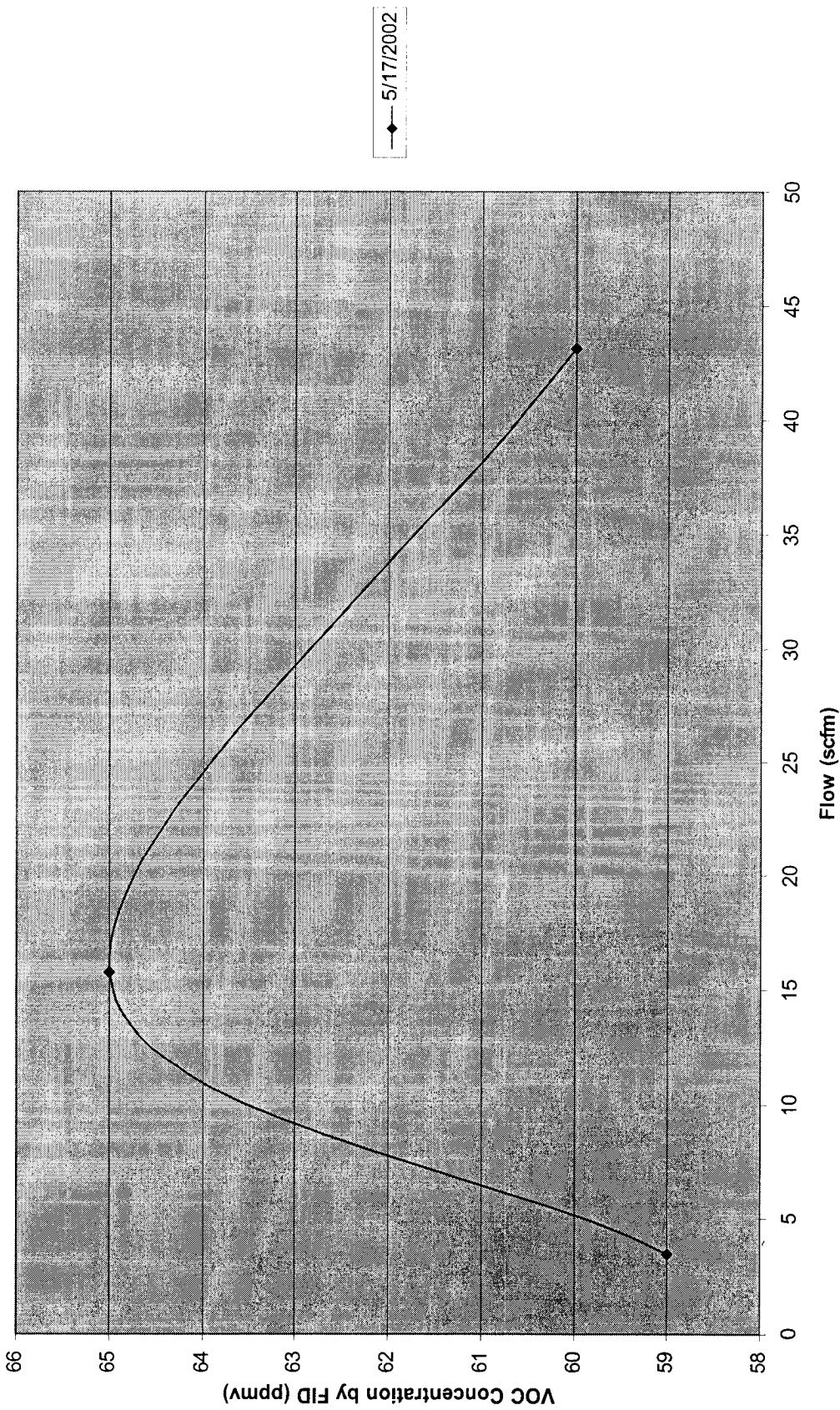
1-VIEW-18B



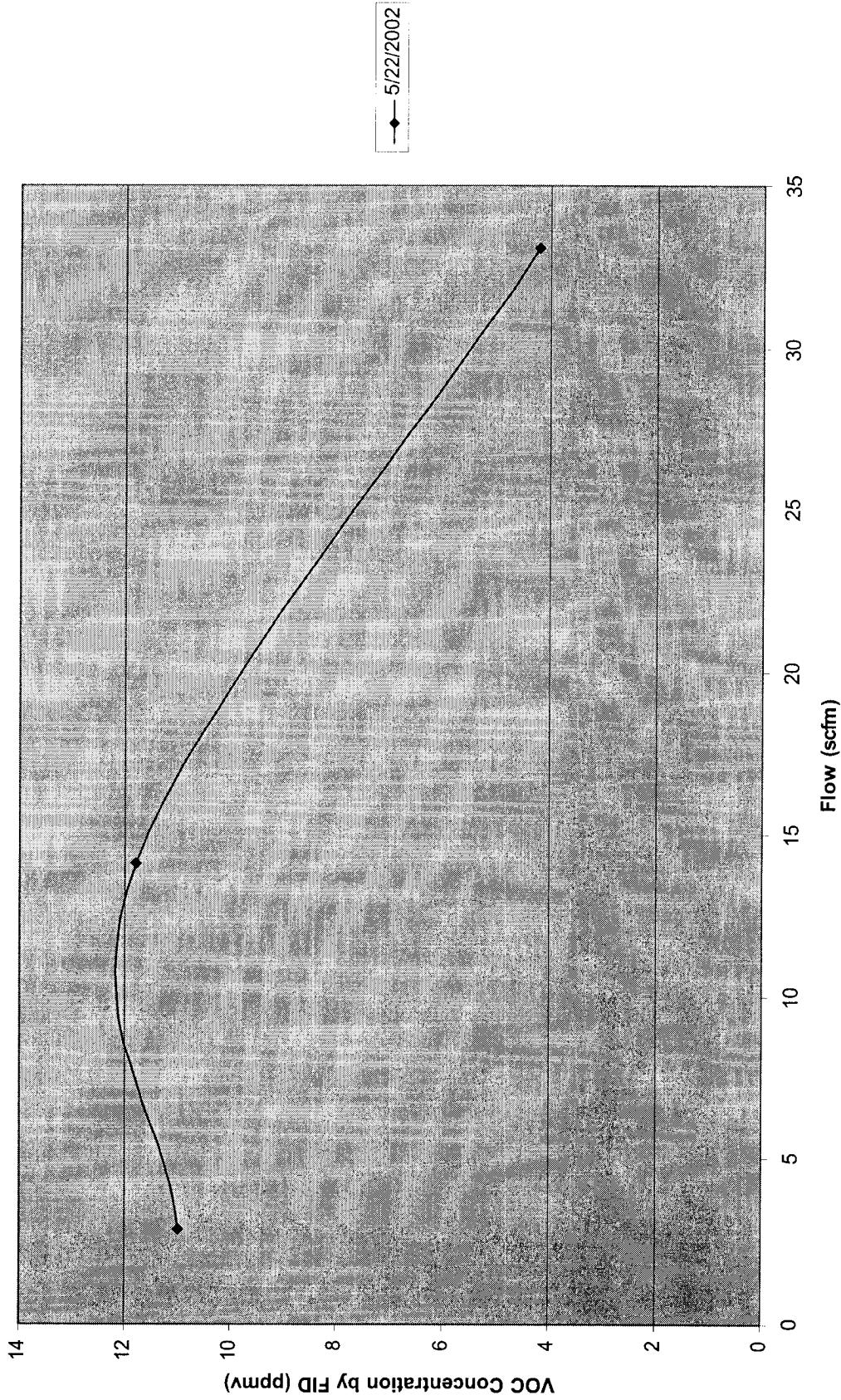
1-VIEW-19A



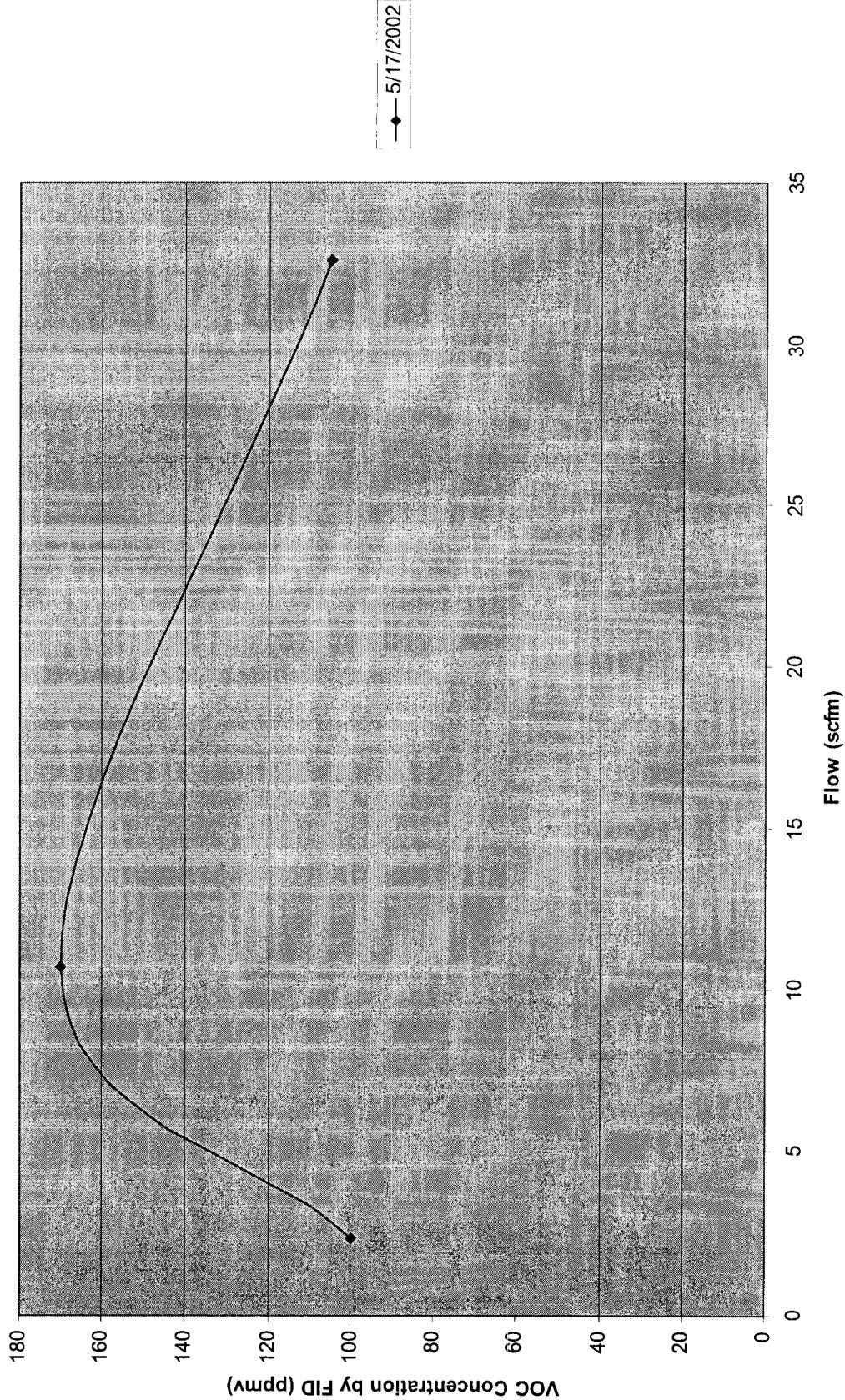
1-VIEW-19B



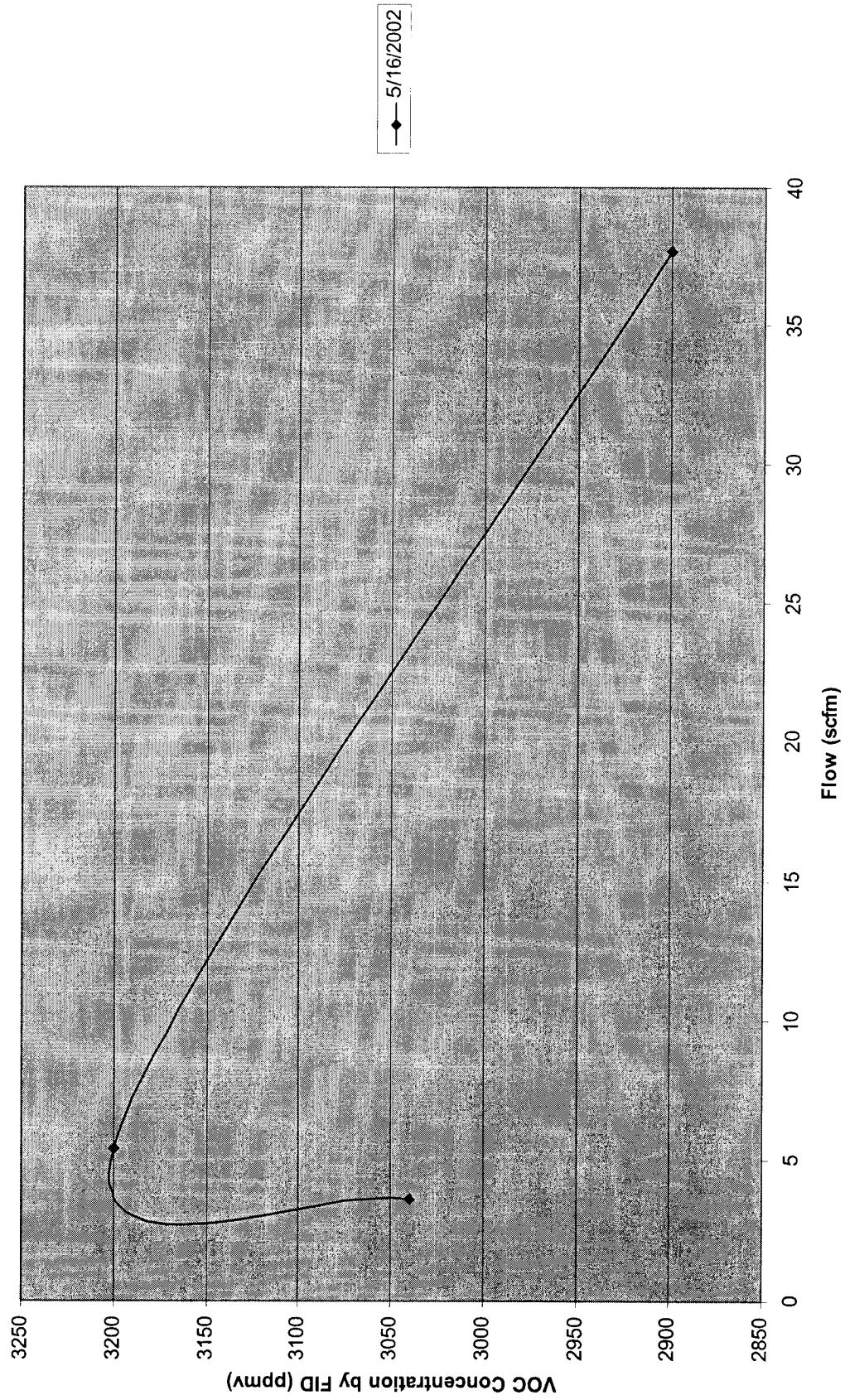
1-VIEW-20A



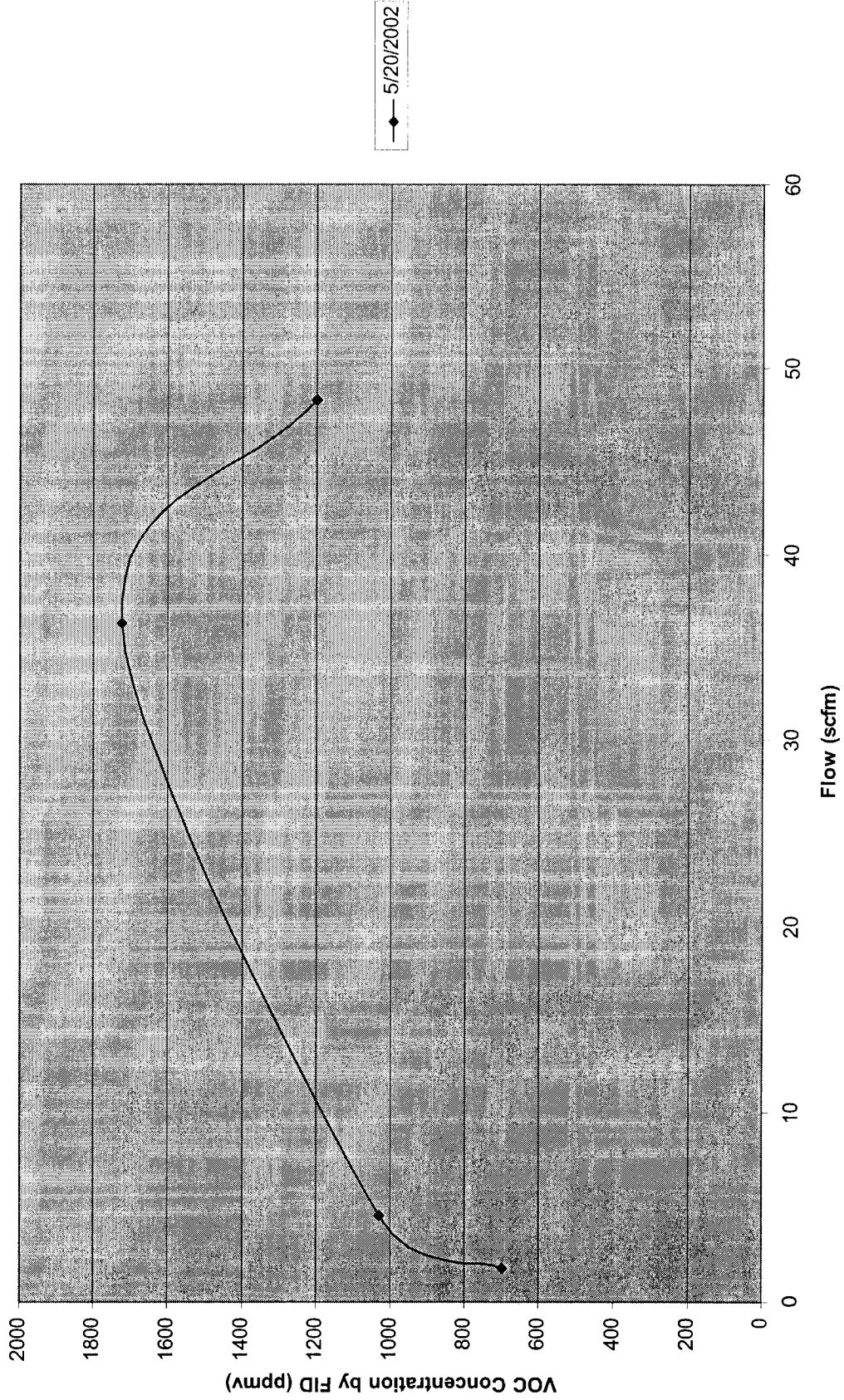
1-VIEW-20B



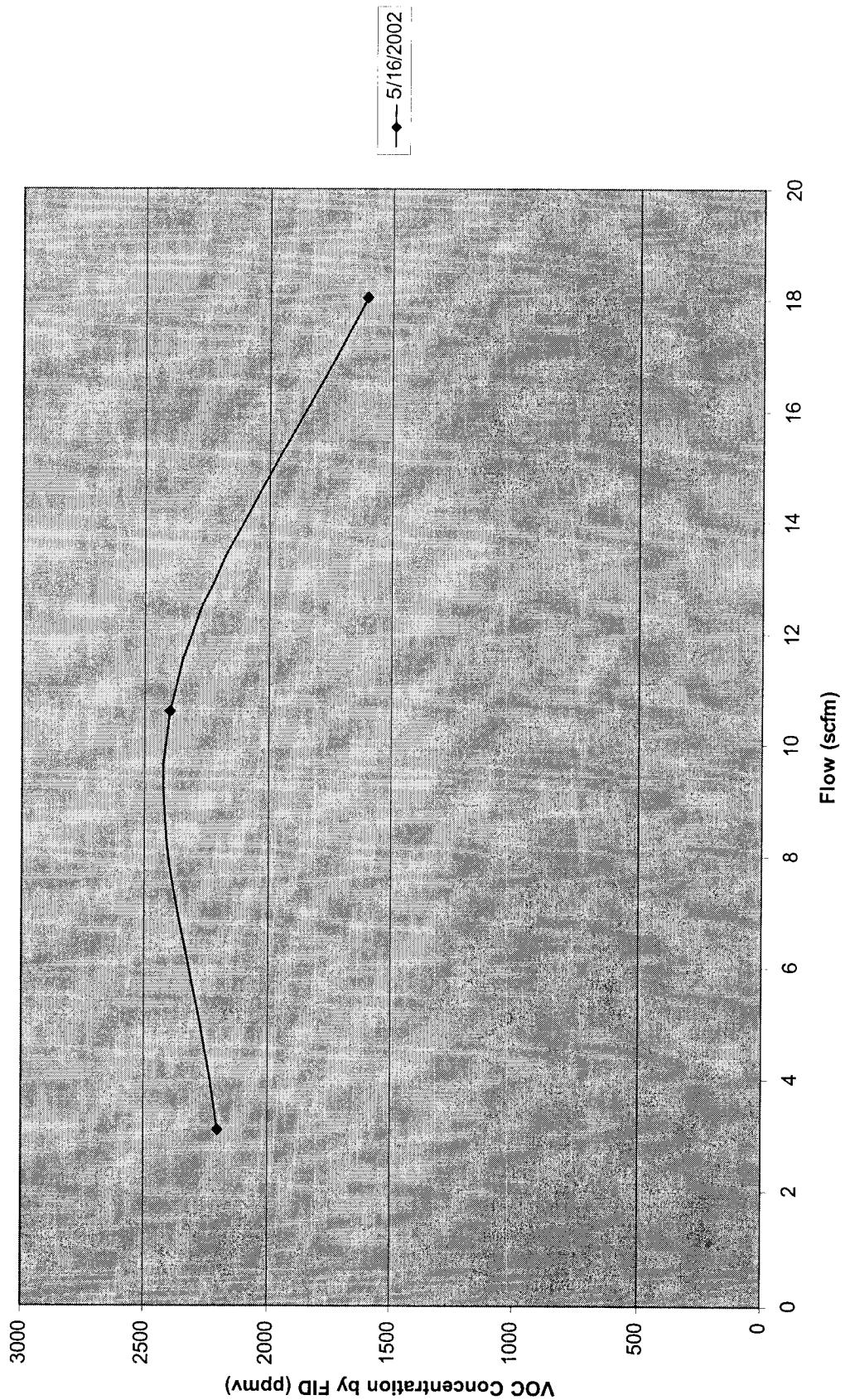
1-VEW-21A



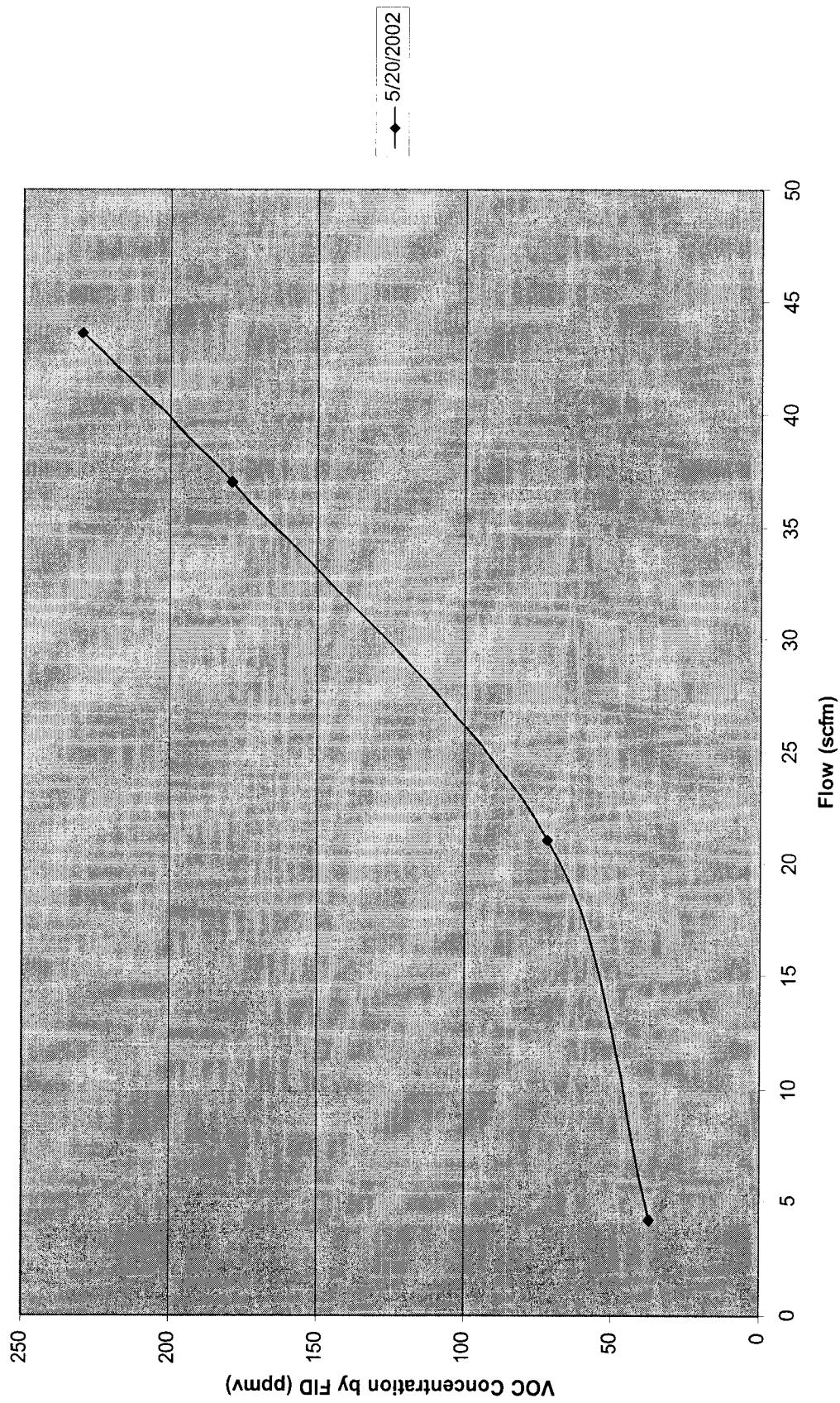
1-VIEW-21B



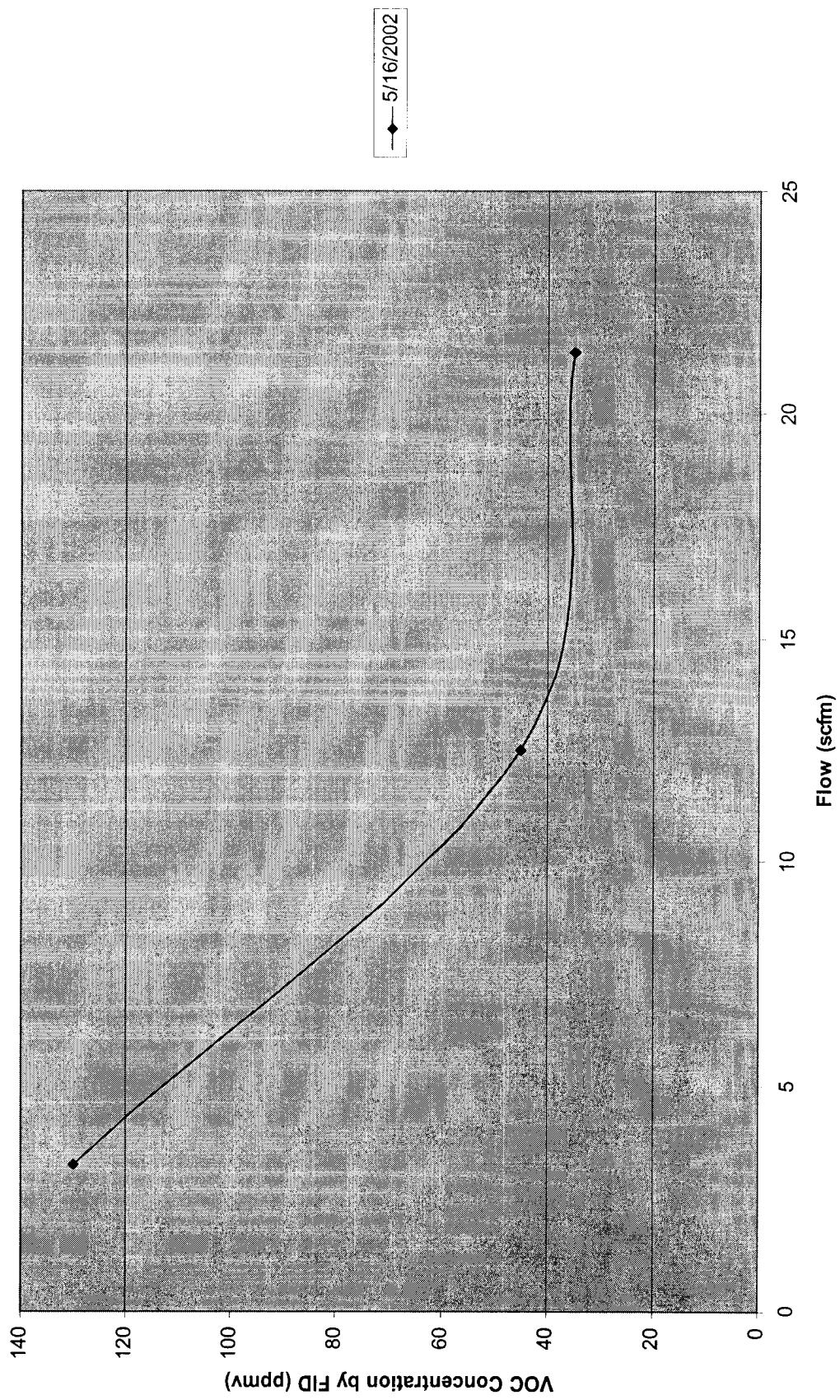
1-VIEW-22A



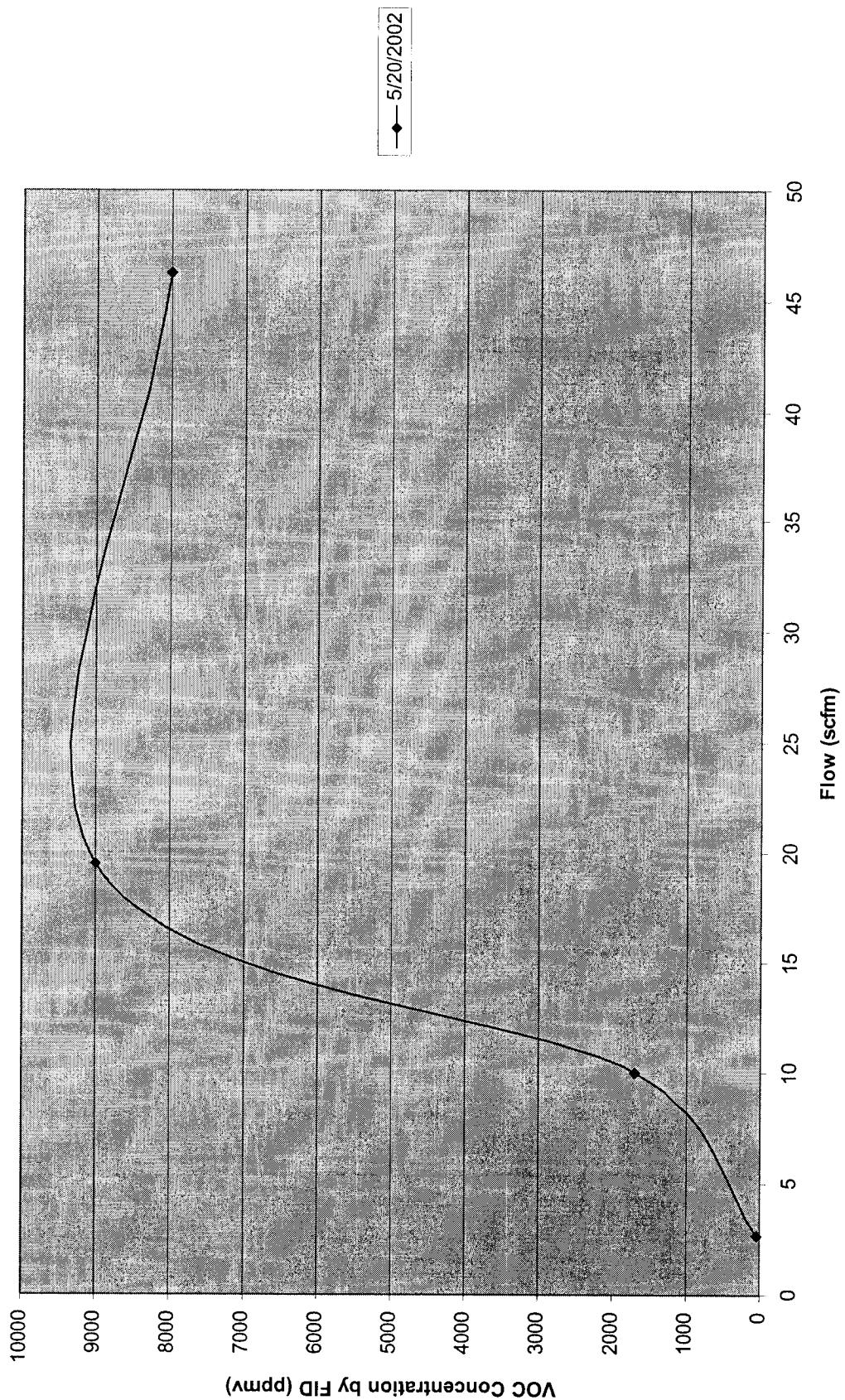
1-VIEW-22B



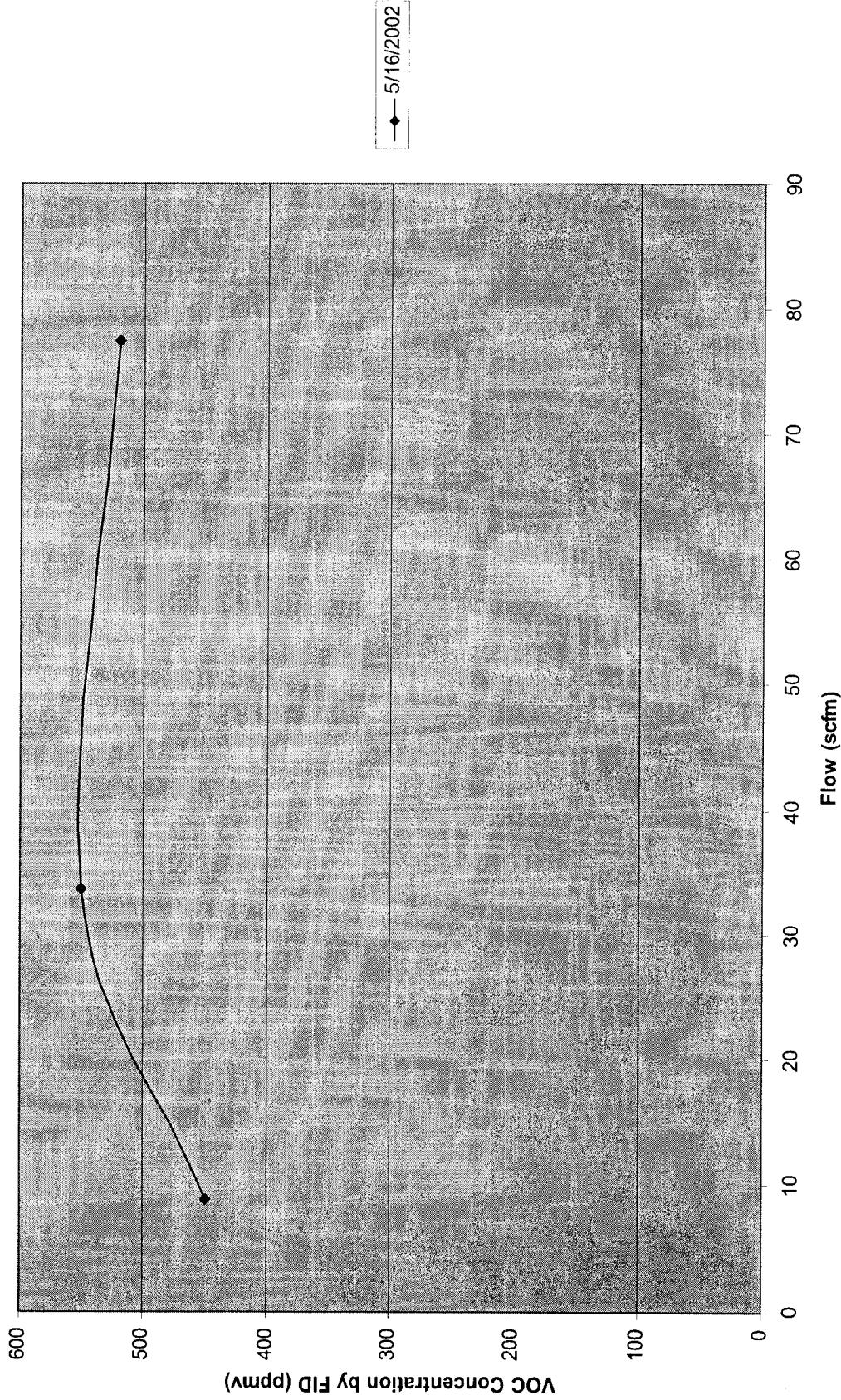
1-VEW-23A



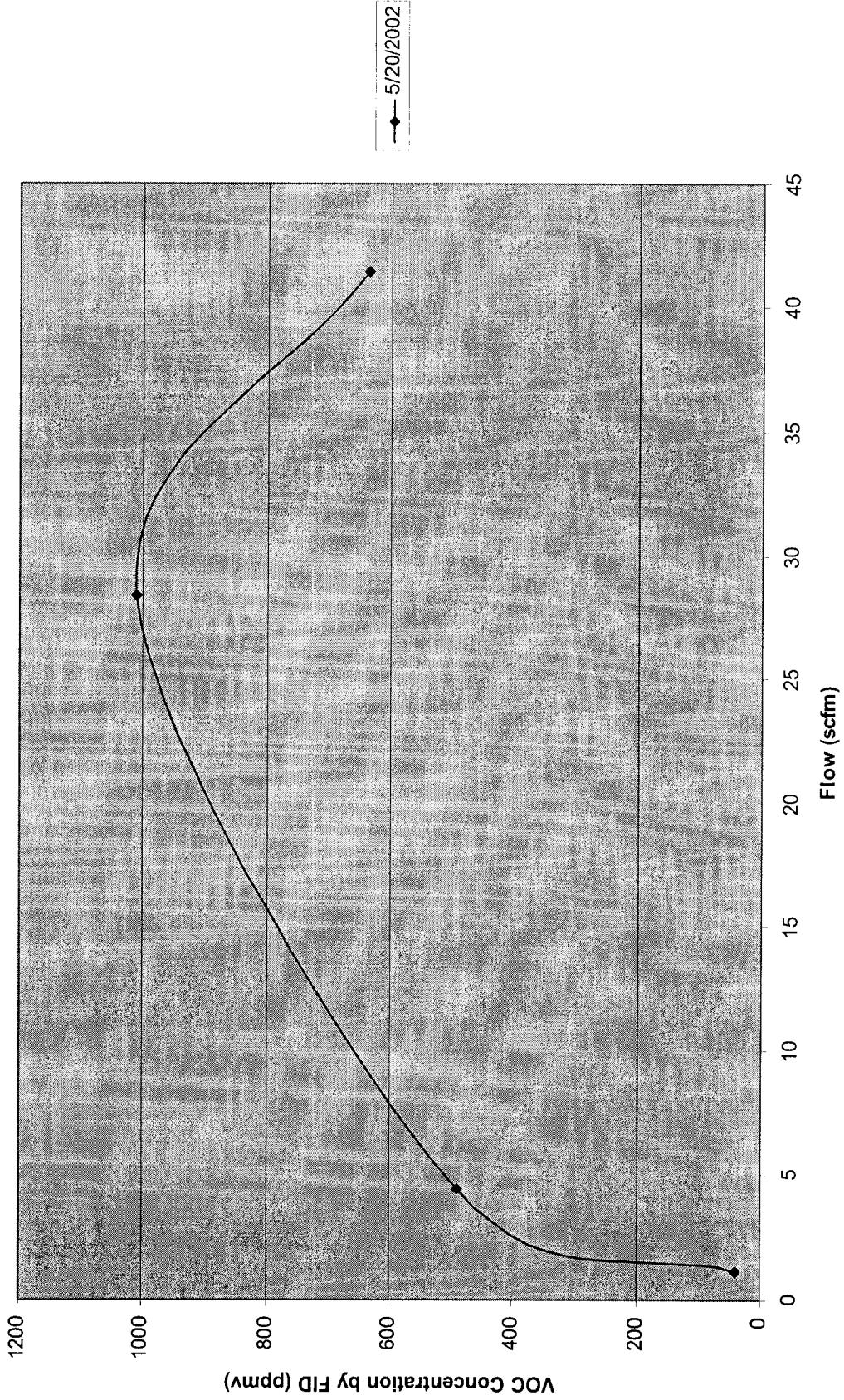
1-VIEW-23B



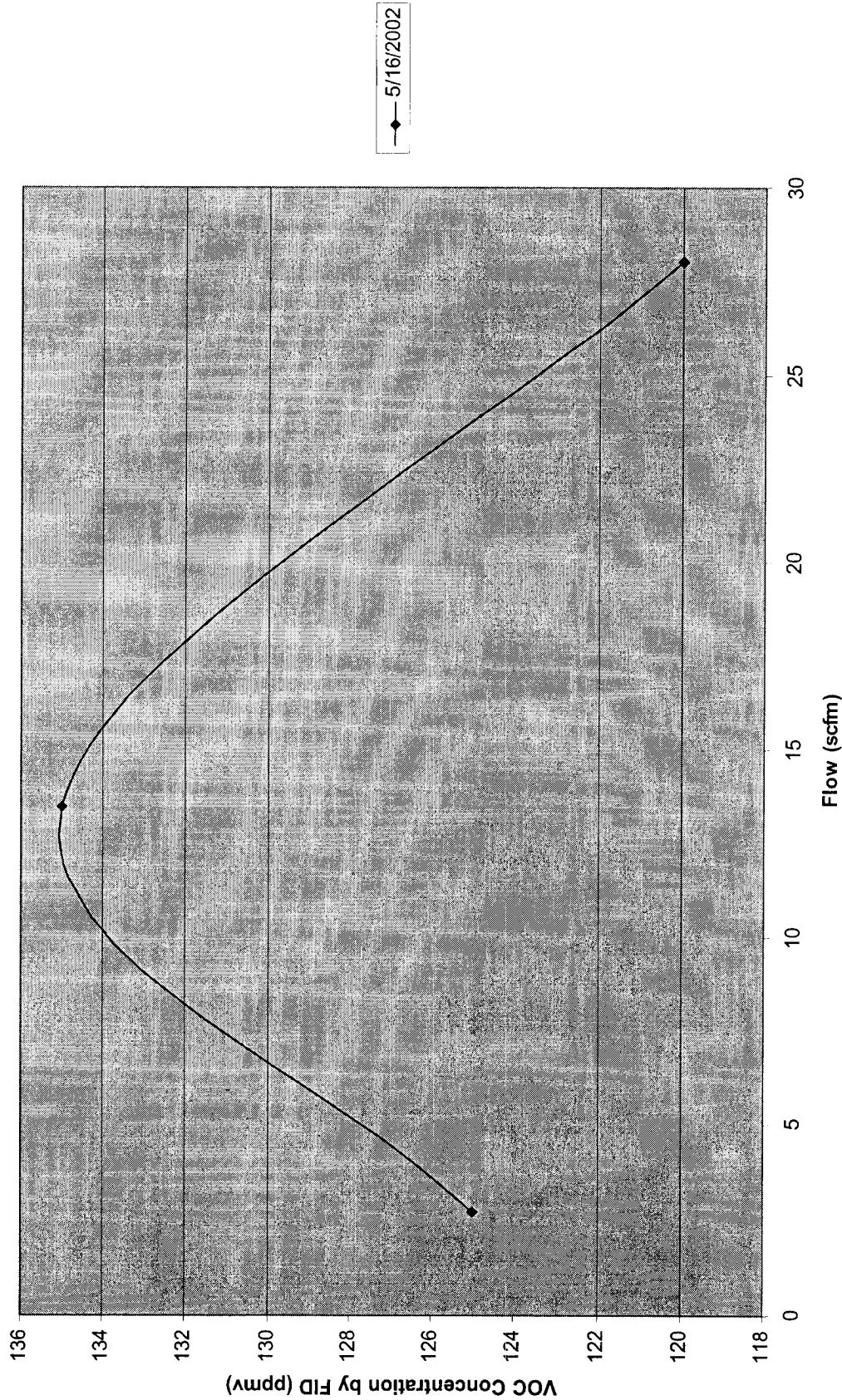
1-VEW-24A



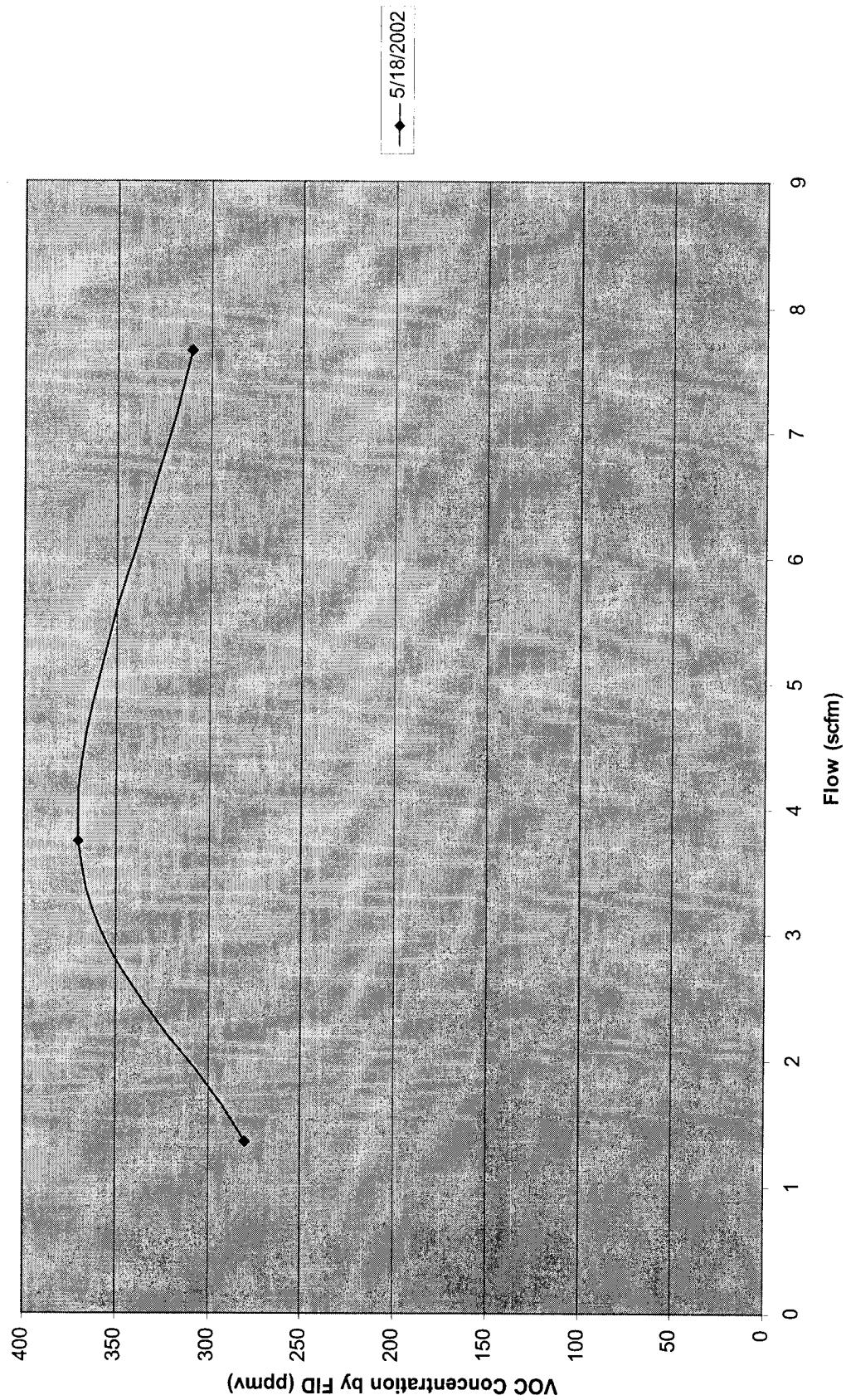
1-VEW-24B



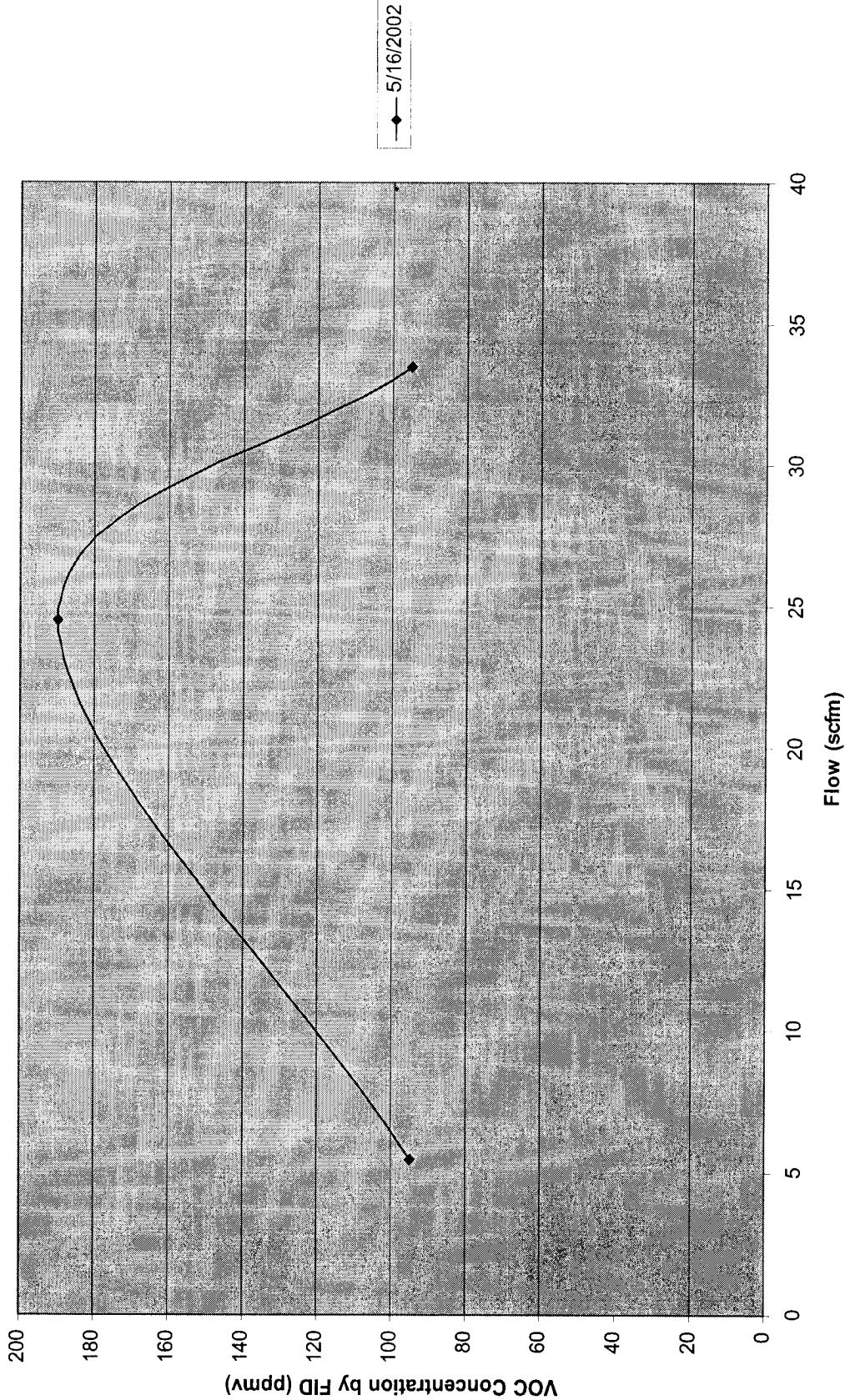
1-VEW-25A



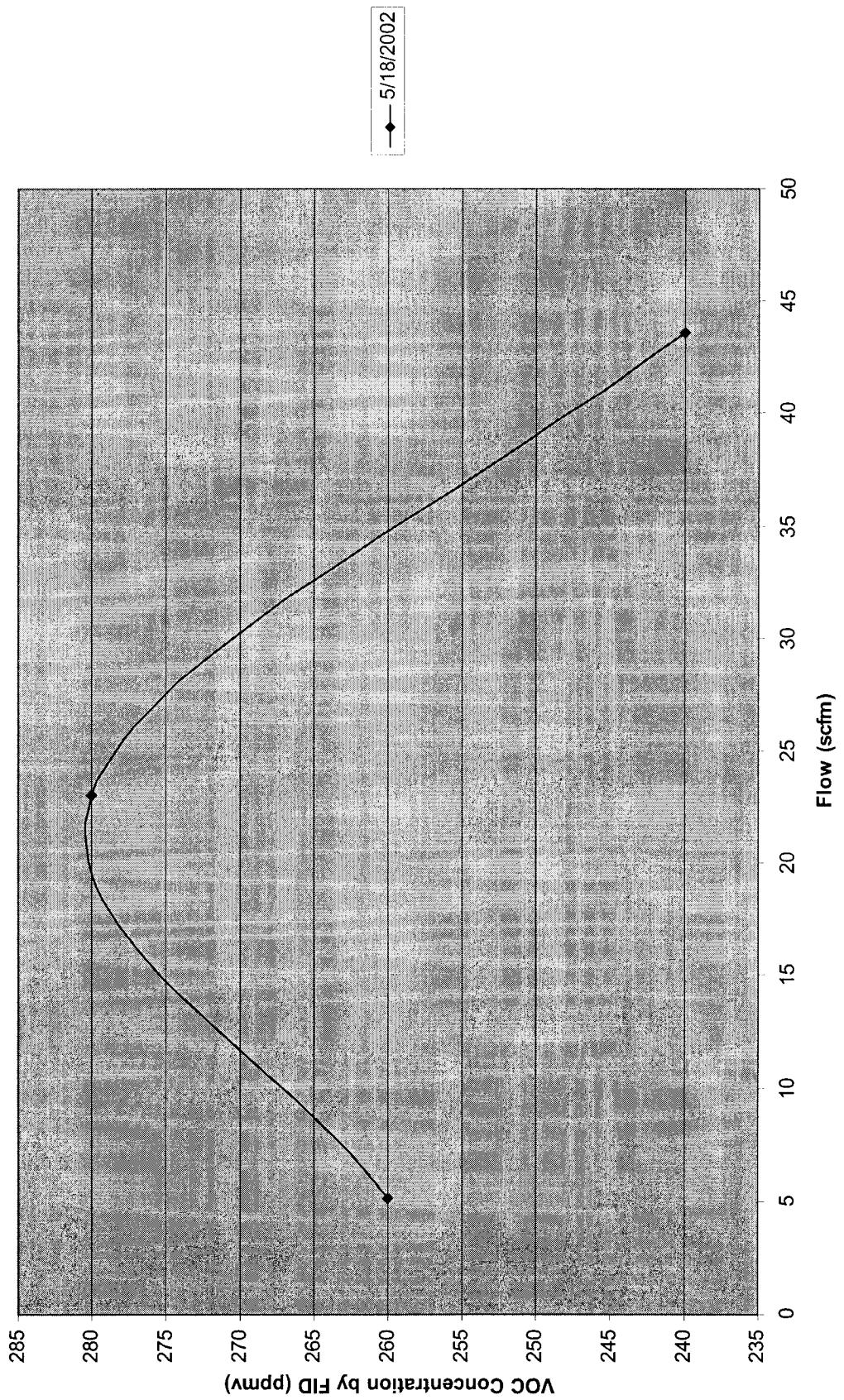
1-VIEW-25B



1-VIEW-26A



1-VEW-26B



**ATTACHMENT 2**

**BUILDING 2  
SVE OPERATIONAL DATA**

**TABLE 4 - BUILDING 2 SVE SYSTEM INFLUENT LABORATORY DATA**

Site Name: BRC Former C-6 Facility  
 Location: Torrance, California  
 System: Building 2 SVE system

COMPOUND	SAMPLE DATE	11/28/2001	12/6/2001	1/3/2002	2/6/2002	3/6/2002	4/4/2002	5/3/2002
	SAMPLE TYPE			Diluted Inlet	Diluted Inlet	Inlet	Inlet	
	LAB ID	DILUTED_INLET_(11B, 14B)	DILUTED_INLET_(11B, 14B)	DILUTED_INLET_(BLDG 2 01/03/02)	DILUTED_INLET_(BLDG 2 02/06/02)	DILUTED_INLET_(BLDG 2 03/06/02)	GAC0002D_AV050302_001	GAC0002D_AV050302_001
1,1 Dichloroethene (ppbv)								
cis-1,2-Dichloroethene (ppbv)								
1,1-Dichloroethane (ppbv)								
1,1,1 Trichloroethane (ppbv)								
Trichloroethene (ppbv)								
Tetrachloroethene (ppbv)								
Trichlorofluoromethane (ppbv)								
Chloroform (ppbv)								
Methylene Chloride (ppbv)								
Toluene (ppbv)								
Xylene (ppbv)								

COMPOUND	SAMPLE DATE	6/4/2002	7/3/2002	8/15/2002	9/5/2002	10/1/2002	10/1/2002
	SAMPLE TYPE	Inlet	Inlet	Inlet	Inlet	Inlet	Inlet
	LAB ID	GAC0002D_AV060402_001	GAC0002D_AV070302_001	GAC0002D_AV081502_001	GAC0002D_AV090502_001	GAC0002U_AV100102_001	GAC0002U_AV100102_001
1,1 Dichloroethene (ppbv)							
cis-1,2-Dichloroethene (ppbv)							
1,1-Dichloroethane (ppbv)							
1,1,1 Trichloroethane (ppbv)							
Trichloroethene (ppbv)							
Carbon Tetrachloride (ppbv)							
Benzene (ppbv)							
Ethylbenzene (ppbv)							
Methyl Tert-butyl Ether (ppbv)							
Tetrachloroethene (ppbv)							
Dichlorodifluoromethane (ppbv)							
Trichlorofluoromethane (ppbv)							
Chloroform (ppbv)							
Methylene Chloride (ppbv)							
Toluene (ppbv)							
Xylene (ppbv)							

Notes:  
 ppbv = parts per billion by volume  
 ND = Below method detection limits

**TABLE 5 - BUILDING 2 SVE SYSTEM FIELD DATA**

DATE	HOUR METER	TIME	UNDILUTED FLOW RATE (1) (scfm)	DILUTED INLET FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	DILUTED INFLUENT PID (2) (ppmv)	MID POINT CARBON PID (2) (ppmv)	EFFLUENT CARBON PID (2) (ppmv)	COMMENTS
11/28/01	24	13:15	75	725	28	58	0.0	0.0	
11/30/01	75	14:20	80	750	NA	60	3.6	2.0	
12/03/01	76	17:10	85	750	NA	18	0.4	0.0	
12/04/01	93	10:15	67	750	NA	98	3.0	0.0	
12/05/01	123	16:30	68	790	NA	167	1.8	0.0	
12/06/01	138	8:30	65	795	29	265	7.1	5.0	
12/07/01	161	7:30	66	795	30	245	0.5	0.2	
12/08/01	196	16:00	70	770	29	250	5.9	5.1	
12/09/01	217	13:00	190	770	30	230	4.5	0.9	
12/10/01	244	16:00	65	760	29	95	5.5	0.0	
12/11/01	263	11:00	55	760	31	310	0.2	0.0	
12/12/01	295	19:15	75	780	30	350	0.5	0.0	
12/13/01	311	11:15	69	775	30	380	0.3	0.0	
12/20/01	479	15:10	95	775	39	350	33.0	0.0	
12/28/01	647	11:00	400	770	29	480	# 8.0	0.0	GAC Changeout
1/3/2002	785	15:00	575	795	29	32	0.0	0.0	
01/10/02	953	15:00	# 150	765	25	195	51.0	0.0	
01/18/02	983	18:00	350	720	53	342	0.3	0.1	
01/24/02	1124	15:10	360	735	52	380	40.2	0.0	
01/31/02	1220	15:48	400	765	38	960	NR	0.0	Data after GAC Changeout
02/01/02	1238	10:00	400	760	27	450	0.0	0.0	
02/06/02	1360	13:00	390	760	20	365	87.0	0.2	
02/08/02	1385	9:20	# 190	740	45	105	43.0	0.0	
02/15/02	1553	11:00	400	730	27	270	10.7	0.0	
02/21/02	1693	8:07	400	705	41	437	71.0	0.0	
02/27/02	1838	10:30	380	590	68	465	37.0	0.0	
03/06/02	2004	9:00	378	600	68	310	53.2	0.2	
03/13/02	2173	14:35	375	590	67	259	28.0	0.0	
03/20/02	2334	10:45	400	655	67	220	10.3	0.2	
03/29/02	2549	10:00	385	605	61	168	16.0	0.1	
04/01/02	2627	16:30	640	630	59	465	47.4	7.5	
04/02/02	2646	11:40	660	680	61	256	59.0	12.7	
04/04/02	2650	17:00	675	710	54	264	0.0	0.3	
04/05/02	2668	11:25	670	685	61	256	0.8	0.0	
04/06/02	2692	11:57	630	625	57	233	0.2	0.1	
04/07/02	2714	10:56	685	670	61	212	0.3	0.1	
04/08/02	2740	12:47	660	660	61	232	0.6	0.0	
04/09/02	2759	8:45	650	635	65	252	0.3	0.1	
04/10/02	2789	14:30	650	645	57	224	3.9	0.2	
04/11/02	2817	19:35	715	740	41	129	39.0	0.2	
04/12/02	2839	18:37	710	710	57	337	6.1	0.4	

**TABLE 5 - BUILDING 2 SVE SYSTEM FIELD DATA**

DATE	HOUR METER	TIME	UNDILUTED FLOW RATE (1) (scfm)	DILUTED INLET FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	DILUTED INFLUENT PID (2) (ppmv)	MID POINT CARBON PID (2) (ppmv)	EFFLUENT CARBON PID (2) (ppmv)	COMMENTS
04/17/02	2904	15:20	695	690	57	153	* 4.8	* 3.8	
04/23/02	3049	15:51	665	665	61	184	* 9.4	* 2.8	GAC Changeout
05/03/02	3240	12:48	630	665	54	164	* 2.6	* 1.3	
05/09/02	3391	19:10	645	640	54	158	#* 23.0	* 0.8	
05/16/02	3549	8:43	675	660	61	145	* 20.0	* 2.8	GAC Changeout
05/23/02	3722	16:20	650	620	57	154	* 14.0	* 9.9	
05/30/02	3887	14:00	645	610	57	19.1	* 14.0	* 13.0	
06/04/02	4005	12:00	630	620	57	* 14.9	* 19.0	* 7.0	GAC Changeout
06/13/02	4215	8:35	655	645	58	* 18.2	* 8.4	* 2.0	
06/20/02	4384	10:17	650	640	57	* 10.0	* 7.0	* 1.0	
06/27/02	4554	12:34	635	625	57	* 12.8	* 9.2	* 6.5	
07/03/02	4697	11:00	630	625	55	42.8	# 15.1	# 14.2	
07/09/02	4837	14:17	640	620	57	* 5.9	* 0.9	* 0.9	
07/15/02	4985	11:48	585	575	65	* 9.1	* 7.6	* 2.0	
07/23/02	5158	9:12	625	610	54	* 13.8	* 9.7	* 0.7	
07/30/02	5328	17:25	565	535	67	* 10.0	* 4.8	* 3.4	
08/07/02	5518	15:15	555	550	54	* 13.8	* 10.0	* 2.2	
08/15/02	5710	15:30	605	590	54	* 7.0	* 5.0	* 4.0	
08/20/02	5826	11:28	590	585	59	* 7.2	* 3.2	* 5.0	GAC Changeout
08/27/02	5992	9:40	585	585	58	* 5.6	* 3.1	* 2.5	
09/05/02	6164	10:45	565	565	64	* 2.5	* 0.8	* 0.4	
09/13/02	6358	12:45	590	575	57	* 5.0	* 1.7	* 2.4	
09/19/02	6503	13:20	565	570	57	* 5.8	* 2.0	* 7.8	
09/25/02	6640	7:02	635	625	53	* 8.0	* 7.0	* 6.0	
10/01/02	6790	15:21	625	625	53	* 6.0	* 4.4	* 6.5	
10/09/02	6790	9:43	620	615	53	* 2.8	* 1.6	* 0.2	

Notes:

- (1) Direct flow readings taken by hand-held TSI Velo-ci-calc Plus
- (2) Measurements taken with a MiniRae 2000 PID calibrated to 100 ppmv Hexane, results as Hexane unless otherwise noted
- # Readings reading not considered representative of actual concentrations due to moisture or vacuum interference
- \* Measurements taken with Foxboro OVA-128 calibrated to Hexane. Results as Hexane.

## TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility  
**Location:** Torrance, California  
**System:** Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H <sub>2</sub> O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-1A	11/27/2001	13:00	39	20	1,200	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	NA	22	140	Well Opened
	1/10/2002	15:00	NA	1.3	NA	"
	1/18/2002	18:00	39	48	340	"
	1/24/2002	15:10		1.7	NA	"
	1/31/2002	15:48	30	31	200	"
	2/1/2002	10:00	22	23	96	"
	2/6/2002	13:00	16	16	180	"
	2/15/2002	11:00	20	19	98	Well Closed
	3/20/2002	14:00	NA	45	12	"
	3/29/2002	14:20	3.2	9.5	NA	"
	3/30/2002	10:58	1	11	NA	"
	3/31/2002	10:31	0.5	11	NA	"
	4/1/2002	16:50	NA	11	NA	"
	4/2/2002	11:40	NA	11	NA	"
	4/4/2002	17:00	NA	8.4	NA	"
	4/5/2002	11:30	NA	10.5	NA	"
	4/6/2002	12:00	NA	10	NA	"
	4/7/2002	11:00	NA	11	NA	"
	4/8/2002	12:45	NA	10	NA	"
	4/9/2002	8:45	NA	13	NA	"
	4/10/2002	14:30	NA	12	NA	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	NA	8	NA	"
	4/17/2002	15:20	NA	4.5	NA	"
	4/23/2002	15:51	NA	10	NA	"
	5/3/2002	12:48	NA	5	NA	"
	5/9/2002	19:10	NA	11	NA	"
	5/23/2002	16:20	NA	10.5	NA	"
	6/13/2002	8:35	NA	11	NA	"
	6/20/2002	10:17	NA	11	NA	"
	6/27/2002	12:34	NA	10	NA	"
	7/3/2002	11:00	NA	10	NA	"
	7/9/2002	14:17	NA	11	NA	"
	7/15/2002	11:48	NA	12	NA	"
	7/23/2002	9:12	NA	11	NA	"
	7/30/2002	13:35	NA	NA	NA	"
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	9	NA	"
	8/20/2002	11:28	NA	8	NA	"
	8/27/2002	9:40	NA	8	NA	"
	9/5/2002	10:45	NA	8	NA	"
	9/13/2002	12:45	NA	9	NA	"
	9/19/2002	13:20	NA	8	NA	"
	9/25/2002	7:02	39.2	30	3	"
	10/1/2002	15:51	NA	10	NA	"
	10/9/2002	9:43	NA	11	NA	"

## TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility

**Location:** Torrance, California

**System:** Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H <sub>2</sub> O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-1B	11/27/2001	13:00	11	17	9,999	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	NA	29	2,800	Well Opened
	1/10/2002	15:00	NA	1.6	NA	"
	1/18/2002	18:00	NA	2.9	NA	Well Closed
	1/24/2002	15:10	17	48	9,999	"
	1/31/2002	15:48	8	31	9,999	"
	2/1/2002	10:00	10	23	6,500	"
	2/6/2002	13:00	5.3	16	6,800	"
	2/15/2002	11:00	5.5	19	3,980	"
	2/27/2002	10:30	14.2	52	4,230	"
	3/6/2002	9:00	8.5	48	2,790	"
	3/13/2002	14:35	9	50	4,240	"
	3/20/2002	10:45	12	50	1,300	"
	3/29/2002	10:00	10.1	54	1,800	Well Opened
	3/29/2002	14:20	18.1	46	1,350	"
	3/30/2002	10:58	9	48	1,478	"
	3/31/2002	10:31	8.4	48	1,744	"
	4/1/2002	16:50	7.4	49	1,475	"
	4/2/2002	11:40	6.8	51	1,535	"
	4/4/2002	17:00	6.8	47	1,565	"
	4/5/2002	11:30	9.4	49	1,720	"
	4/6/2002	12:00	10.8	49	1,429	"
	4/7/2002	11:00	17	50	1,474	"
	4/8/2002	12:45	9.2	50	1,434	"
	4/9/2002	8:45	6.5	51	1,684	"
	4/10/2002	14:30	6.2	49	1,635	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	9.4	49	NA	"
	4/17/2002	15:20	9	43	1,439	"
	4/23/2002	15:51	9.15	50	NA	"
	5/3/2002	12:48	11	41.5	642	"
	5/9/2002	19:10	8	43	795	"
	5/23/2002	16:20	17.1	48.5	* 25	"
	6/13/2002	8:35	9.6	48	* 48	"
	6/20/2002	10:17	48	7.8	* 50	"
	6/27/2002	12:34	9.2	48	* 49	"
	7/3/2002	11:00	7	47	489	"
	7/9/2002	14:17	10.3	49	410	"
	7/15/2002	11:48	11	54	520	"
	7/23/2002	9:12	10.8	54	444	"
	7/30/2002	13:35	12.3	62	435	"
	8/7/2002	15:15	9.7	59	436	"
	8/15/2002	15:30	9	50	462	"
	8/20/2002	11:28	10.6	60	189	"
	8/27/2002	9:40	11	59	234	"
	9/5/2002	10:45	11.2	64	260	"
	9/13/2002	12:45	10.4	60	513	"
	9/19/2002	13:20	10.1	57	223	"
	9/25/2002	7:02	9.9	52	330	"
	10/1/2002	15:51	7.4	51	239	"
	10/9/2002	9:43	9.4	51	304	"

## TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility

**Location:** Torrance, California

**System:** Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H <sub>2</sub> O)	WELLHEAD PID (2) (ppmv)	COMMENTS
<b>2-VEW-2</b>	11/27/2001	13:00	60	25	1,300	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	70	20	740	Well Opened
	1/10/2002	15:00	NA	1.5	NA	Well Closed
	1/18/2002	18:00	NA	3.2	NA	"
	1/24/2002	15:10	NA	2	NA	"
	1/31/2002	15:48	60	31	9,999	Well Opened
	2/1/2002	10:00	29	22	335	"
	2/6/2002	13:00	18	15	260	"
	2/15/2002	11:00	23	19	94	Well Closed
	3/20/2002	14:00	NA	47	18	"
	3/29/2002	14:20	24	19	8	"
	3/30/2002	10:58	24	21	8	Well Opened
	3/31/2002	10:31	24	20	3	"
	4/1/2002	16:50	25	21	4	"
	4/2/2002	11:40	NA	13	NA	Well Closed
	4/4/2002	17:00	NA	9	NA	"
	4/5/2002	11:30	NA	12.5	NA	"
	4/6/2002	12:00	NA	12	NA	"
	4/7/2002	11:00	NA	13	NA	"
	4/8/2002	12:45	NA	12	NA	"
	4/9/2002	8:45	NA	14	NA	"
	4/10/2002	14:30	NA	12	NA	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	NA	8.5	NA	"
	4/17/2002	15:20	NA	4	NA	"
	4/23/2002	15:51	NA	11	NA	"
	5/3/2002	12:48	NA	6	NA	"
	5/9/2002	19:10	NA	11	NA	"
	5/23/2002	16:20	NA	11	NA	"
	6/13/2002	8:35	NA	12	NA	"
	6/20/2002	10:17	NA	12	NA	"
	6/27/2002	12:34	NA	11	NA	"
	7/3/2002	11:00	NA	12	NA	"
	7/9/2002	14:17	NA	12	NA	"
	7/15/2002	11:48	NA	12	NA	"
	7/23/2002	9:12	NA	12	NA	"
	7/30/2002	13:35	NA	NA	NA	"
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	10	NA	"
	8/20/2002	11:28	NA	10	NA	"
	8/27/2002	9:40	NA	9	NA	"
	9/5/2002	10:45	NA	9	NA	"
	9/13/2002	12:45	NA	10	NA	"
	9/19/2002	13:20	NA	9	NA	"
	9/25/2002	7:02	55.5	30	3	"
	10/1/2002	15:51	NA	10	NA	"
	10/9/2002	9:43	NA	10	NA	"

## TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility

**Location:** Torrance, California

**System:** Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H <sub>2</sub> O)	WELLHEAD PID (2) (ppmv)	COMMENTS
<b>2-VEW-3A</b>	11/27/2001	13:00	20	20	710	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	12	22	160	Well Opened
	1/10/2002	15:00	NA	1.3	NA	"
	1/18/2002	18:00	23	50	560	"
	1/24/2002	15:10	11	49	470	"
	1/31/2002	15:48	17	32	360	"
	2/1/2002	10:00	7	23	250	"
	2/6/2002	13:00	7	17	210	"
	2/15/2002	11:00	6.5	19	85	Well Closed
	3/20/2002	14:00	NA	50	NA	"
	3/29/2002	10:00	94	54	31	Well Opened
	3/29/2002	14:20	1	9	NA	Well Closed
	3/30/2002	10:58	0.6	11	NA	"
	3/31/2002	10:31	0.5	10	NA	"
	4/1/2002	16:50	NA	10	NA	"
	4/2/2002	11:40	NA	12	NA	"
	4/4/2002	17:00	NA	8	NA	"
	4/5/2002	11:30	NA	11.5	NA	"
	4/6/2002	12:00	NA	10.5	NA	"
	4/7/2002	11:00	NA	11	NA	"
	4/8/2002	12:45	NA	12	NA	"
	4/9/2002	8:45	NA	13	NA	"
	4/10/2002	14:30	NA	10	NA	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	NA	8	NA	"
	4/17/2002	15:20	NA	4	NA	"
	4/23/2002	15:51	NA	10	NA	"
	5/3/2002	12:48	NA	5.5	NA	"
	5/9/2002	19:10	NA	10	NA	"
	5/23/2002	16:20	NA	10	NA	"
	6/13/2002	8:35	NA	12	NA	"
	6/20/2002	10:17	NA	12	NA	"
	6/27/2002	12:34	NA	11	NA	"
	7/3/2002	11:00	NA	10	NA	"
	7/9/2002	14:17	NA	11	NA	"
	7/15/2002	11:48	NA	12	NA	"
	7/23/2002	9:12	NA	12	NA	"
	7/30/2002	13:35	NA	NA	NA	"
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	8	NA	"
	8/20/2002	11:28	NA	8	NA	"
	8/27/2002	9:40	NA	8	NA	"
	9/5/2002	10:45	NA	8	NA	"
	9/13/2002	12:45	NA	8	NA	"
	9/19/2002	13:20	NA	8	NA	"
	9/25/2002	7:02	7.55	30	4	"
	10/1/2002	15:51	NA	8	NA	"
	10/9/2002	9:43	NA	9	NA	"

## TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility  
**Location:** Torrance, California  
**System:** Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H <sub>2</sub> O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-3B	11/27/2001	13:00	11	25.0	2,250	Initial Startup
	11/28/2001	13:15	NA	0.1	NA	Well Closed
	11/30/2001	14:20	NA	0.7	NA	"
	12/3/2001	17:10	NA	0.2	NA	"
	12/4/2001	10:15	NA	0.9	NA	"
	12/5/2001	16:30	NA	0.6	NA	"
	12/6/2001	8:30	NA	0.8	NA	"
	12/7/2001	7:30	NA	1.2	NA	"
	12/8/2001	16:00	NA	0.1	NA	"
	12/9/2001	13:00	NA	0.0	NA	"
	12/10/2001	16:00	NA	0.4	NA	"
	12/11/2001	11:00	NA	1.4	NA	"
	12/12/2001	19:15	8	29.5	1,900	Well Opened
	12/13/2001	11:15	8	29.0	1,675	"
	12/20/2001	15:10	17	39.0	1,345	"
	12/28/2001	11:00	15	23.0	220	"
	1/10/2002	15:00	NA	1.5	NA	Well Closed
	1/18/2002	18:00	NA	3.3	NA	"
	1/24/2002	15:10	NA	3.0	NA	"
	1/31/2002	15:48	7	32.0	390	Well Opened
	2/1/2002	10:00	10	23.0	220	"
	2/6/2002	13:00	7	17.0	230	"
	2/15/2002	11:00	5.7	19	320	"
	3/20/2002	14:00	NA	47	203	"
	3/29/2002	14:20	18	46	296	"
	3/30/2002	10:58	8.4	48	226	"
	3/31/2002	10:31	9	48	231	"
	4/1/2002	16:50	9.3	48	197	"
	4/2/2002	11:40	11.3	52	172	"
	4/4/2002	17:00	10.1	47	262	"
	4/5/2002	11:30	13.8	50	142	"
	4/6/2002	12:00	49	14.1	116	"
	4/7/2002	11:00	15.1	56	105	"
	4/8/2002	12:45	17.1	51	87	"
	4/9/2002	8:45	16.9	52	106	"
	4/10/2002	14:30	19.2	49	88	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	19	49	NA	"
	4/17/2002	15:20	23	43	156	"
	4/23/2002	15:51	26.3	50	NA	"
	5/3/2002	12:48	28	42	51	"
	5/9/2002	19:10	24	42	42	"
	5/23/2002	16:20	48	28.6	* 4.8	"
	6/13/2002	8:35	31.5	48	* 7.0	"
	6/20/2002	10:17	28.4	48	* 7.0	"
	6/27/2002	12:34	31.3	48	* 5.2	"
	7/3/2002	11:00	28	47	67	"
	7/9/2002	14:17	31	48	19	"
	7/15/2002	11:48	35	54	80	"
	7/23/2002	9:12	36.8	54	20	"
	7/30/2002	13:35	NA	NA	NA	Well Closed
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	10	NA	"
	8/20/2002	11:28	NA	9	NA	"
	8/27/2002	9:40	NA	8	NA	"
	9/5/2002	10:45	NA	9	NA	"
	9/13/2002	12:45	NA	10	NA	"
	9/19/2002	13:20	NA	9	NA	"
	9/25/2002	7:02	12.2	30	24	"
	10/1/2002	15:51	NA	10	NA	"
	10/9/2002	9:43	NA	10	NA	"

## TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility

**Location:** Torrance, California

**System:** Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H <sub>2</sub> O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-4	11/27/2001	13:00	30	25	1,250	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	20	15	450	Well Opened
	1/10/2002	15:00	NA	1 8	NA	"
	1/18/2002	18:00	NA	3 8	NA	"
	1/24/2002	15:10	NA	2 3	NA	"
	1/31/2002	15:48	33	31	940	"
	2/1/2002	10:00	23	23.5	565	"
	2/6/2002	13:00	21	17	680	"
	2/15/2002	11:00	20.5	19	400	Well Closed
	3/20/2002	14:00	NA	41	17	"
	3/29/2002	14:20	59	45	60	Well Opened
	3/30/2002	10:58	51.5	48	167	"
	3/31/2002	10:31	55.5	47	235	"
	4/1/2002	16:50	51.5	48	270	"
	4/2/2002	11:40	56	50	257	"
	4/4/2002	17:00	55	46	276	"
	4/5/2002	11:30	58	48.5	264	"
	4/6/2002	12:00	56	48	232	"
	4/7/2002	11:00	54.5	49.5	223	"
	4/8/2002	12:45	59.5	47	232	"
	4/9/2002	8:45	58	50	272	"
	4/10/2002	14:30	55.5	47	234	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	48	61	NA	"
	4/17/2002	15:20	58.5	41	252	"
	4/23/2002	15:51	61.5	49	NA	"
	5/3/2002	12:48	57	41	209	"
	5/9/2002	19:10	48	43	179	"
	5/23/2002	16:20	56	47	* 17.2	"
	6/13/2002	8:35	58	46	* 13.8	"
	6/20/2002	10:17	54.5	48	* 15.0	"
	6/27/2002	12:34	61.5	47	* 12.2	"
	7/3/2002	11:00	54	46	79	"
	7/9/2002	14:17	59.5	48	64	"
	7/15/2002	11:48	63	52	72	"
	7/23/2002	9:12	70	53	39	"
	7/30/2002	13:35	NA	NA	NA	Well Closed
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	65	50	NA	"
	8/20/2002	11:28	78.5	58	119	"
	8/27/2002	9:40	82	57	37	"
	9/5/2002	10:45	82	57	37	"
	9/13/2002	12:45	81.5	58	62	"
	9/19/2002	13:20	75	56	34	"
	9/25/2002	7:02	67.5	51	36	"
	10/1/2002	15:51	64	50	41	"
	10/9/2002	9:43	65.5	50	49	"

## TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility

**Location:** Torrance, California

**System:** Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H <sub>2</sub> O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-5	11/27/2001	13:00	90	25	1,075	
	1/3/2002	15:00	75	17	800	Well Closed 11/28/01-1/2/02
	1/10/2002	15:00	NA	2.8	NA	Well Opened
	1/18/2002	18:00	NA	3.4	NA	"
	1/24/2002	15:10	NA	2.5	NA	"
	1/31/2002	15:48	65	30	1,150	"
	2/1/2002	10:00	47	20	700	"
	2/6/2002	13:00	32	16	910	"
	2/15/2002	11:00	36	19	570	Well Closed
	3/20/2002	14:00	NA	43	75	"
	3/29/2002	14:20	81	39	76	"
	3/30/2002	10:58	80.5	41	99	Well Opened
	3/31/2002	10:31	80.5	41	102	"
	4/1/2002	16:50	80	41	107	"
	4/2/2002	11:40	86	43	91	"
	4/4/2002	17:00	83.5	38	104	"
	4/5/2002	11:30	86	42	80	"
	4/6/2002	12:00	85	41	69	"
	4/7/2002	11:00	94.5	41.5	63	"
	4/8/2002	12:45	87	40	61	"
	4/9/2002	8:45	87	42	78	"
	4/10/2002	14:30	85.5	40	69	"
	4/11/2002	19:35	NA	NA	NA	Well Closed
	4/12/2002	18:37	NA	11	NA	"
	4/17/2002	15:20	NA	6	NA	"
	4/23/2002	15:51	NA	13.5	NA	"
	5/3/2002	12:48	NA	7	NA	"
	5/9/2002	19:10	NA	14	NA	"
	5/23/2002	16:20	NA	15	NA	"
	6/13/2002	8:35	NA	15	NA	"
	6/20/2002	10:17	NA	15.5	NA	"
	6/27/2002	12:34	NA	14.5	NA	"
	7/3/2002	11:00	NA	15	NA	"
	7/9/2002	14:17	NA	15	NA	"
	7/15/2002	11:48	NA	16	NA	"
	7/23/2002	9:12	NA	12	NA	"
	7/30/2002	13:35	NA	NA	NA	"
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	12	NA	"
	8/20/2002	11:28	NA	11	NA	"
	8/27/2002	9:40	NA	12	NA	"
	9/5/2002	10:45	NA	vent	NA	"
	9/13/2002	12:45	NA	vent	NA	"
	9/19/2002	13:20	NA	vent	NA	"
	9/25/2002	7:02	79.5	29	3	"
	10/1/2002	15:51	NA	vent	NA	"
	10/9/2002	9:43	NA	vent	NA	"

## TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility  
**Location:** Torrance, California  
**System:** Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H <sub>2</sub> O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-6	11/27/2001	13:00	52	25	9,999	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	NA	15	625	Well Opened
	1/10/2002	15:00	NA	2.3	NA	Well Closed
	1/18/2002	18:00	NA	3.6	NA	"
	1/24/2002	15:10	NA	2.5	NA	"
	1/31/2002	15:48	40	30	3,130	Well Opened
	2/1/2002	10:00	27	20	1,500	"
	2/6/2002	13:00	21	16	1,530	"
	2/15/2002	11:00	25	19	945	Well Closed
	2/27/2002	10:30	68	35	520	"
	3/6/2002	9:00	81	33	433	"
	3/13/2002	14:35	81	34	335	"
	3/20/2002	10:45	62	30	280	"
	3/29/2002	10:00	56	28	241	Well Opened
	3/29/2002	14:20	85	46	246	"
	3/30/2002	10:58	78.5	44	263	"
	3/31/2002	10:31	87	42	262	"
	4/1/2002	16:50	81	43	245	"
	4/2/2002	11:40	86	45	208	"
	4/4/2002	17:00	87	40	222	"
	4/5/2002	11:30	98	43	209	"
	4/6/2002	12:00	94.5	42.5	172	"
	4/7/2002	11:00	93.5	43.5	168	"
	4/8/2002	12:45	96.5	43	165	"
	4/9/2002	8:45	95.5	44	208	"
	4/10/2002	14:30	87	42	165	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	104	44	NA	"
	4/17/2002	15:20	107	37	158	"
	4/23/2002	15:51	108	44	NA	"
	5/3/2002	12:48	98	37	110	"
	5/9/2002	19:10	83	39	105	"
	5/23/2002	16:20	88.5	44	8	"
	6/13/2002	8:35	89	45	10	"
	6/20/2002	10:17	84.5	44	8	"
	6/27/2002	12:34	86.5	43	7	"
	7/3/2002	11:00	81	43	40	"
	7/9/2002	14:17	92.5	44	25	"
	7/15/2002	11:48	95	48	55	"
	7/23/2002	9:12	106.5	48	18	"
	7/30/2002	13:35	NA	NA	NA	Well Closed
	8/7/2002	15:15	NA	vent	NA	"
	8/15/2002	15:30	NA	vent	NA	"
	8/20/2002	11:28	NA	vent	NA	"
	8/27/2002	9:40	NA	vent	NA	"
	9/5/2002	10:45	NA	vent	NA	"
	9/13/2002	12:45	156	52	19	"
	9/19/2002	13:20	144	53	18	"
	9/25/2002	7:02	130	46	14	"
	10/1/2002	15:51	129	45	21	"
	10/9/2002	9:43	133	45	16	"

## TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility

**Location:** Torrance, California

**System:** Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H <sub>2</sub> O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-7A	11/27/2001	13:00	13	25	360	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	75	20	100	Well Opened
	1/10/2002	15:00	NA	1.4	NA	"
	1/18/2002	18:00	17	50	600	"
	1/24/2002	15:10	15	48	940	"
	1/31/2002	15:48	8	30	1,100	"
	2/1/2002	10:00	6	21	730	"
	2/6/2002	13:00	16	4.5	775	"
	2/15/2002	11:00	6	18	333	Well Closed
	3/20/2002	14:00	NA	53	17	"
	3/29/2002	14:20	11.6	41	25	Well Opened
	3/30/2002	10:58	12	44	39	"
	3/31/2002	10:31	13.6	43.5	54	"
	4/1/2002	16:50	14.1	43	73	"
	4/2/2002	11:40	13	46	73	"
	4/4/2002	17:00	11.8	41.5	81	"
	4/5/2002	11:30	15.4	45	59	"
	4/6/2002	12:00	14.4	44	51	"
	4/7/2002	11:00	14.4	45	51	"
	4/8/2002	12:45	14.4	45	47	"
	4/9/2002	8:45	13.7	45	55	"
	4/10/2002	14:30	13.3	44	53	"
	4/11/2002	19:35	NA	NA	NA	Well Closed
	4/12/2002	18:37	104	9	NA	"
	4/17/2002	15:20	107	5	NA	"
	4/23/2002	15:51	108	12	NA	"
	5/3/2002	12:48	98	6	NA	"
	5/9/2002	19:10	83	11	NA	"
	5/23/2002	16:20	NA	12	NA	"
	6/13/2002	8:35	NA	13	NA	"
	6/20/2002	10:17	NA	12	NA	"
	6/27/2002	12:34	NA	12	NA	"
	7/3/2002	11:00	NA	12	NA	"
	7/9/2002	14:17	NA	13	NA	"
	7/15/2002	11:48	NA	13	NA	"
	7/23/2002	9:12	NA	11.5	NA	"
	7/30/2002	13:35	NA	NA	NA	"
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	9	NA	"
	8/20/2002	11:28	NA	8	NA	"
	8/27/2002	9:40	NA	8	NA	"
	9/5/2002	10:45	NA	8	NA	"
	9/13/2002	12:45	NA	8	NA	"
	9/19/2002	13:20	NA	9	NA	"
	9/25/2002	7:02	11.8	29	4	"
	10/1/2002	15:51	NA	9	NA	"
	10/9/2002	9:43	NA	10	NA	"

## TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility  
**Location:** Torrance, California  
**System:** Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H <sub>2</sub> O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-7B	11/27/2001	13:00	60	25.0	600	Initial Startup
	11/28/2001	13:15	NA	0.3	NA	Well Closed
	11/30/2001	14:20	NA	0.9	NA	"
	12/3/2001	17:10	NA	0.2	NA	"
	12/4/2001	10:15	NA	1.2	NA	"
	12/5/2001	16:30	NA	0.8	NA	"
	12/6/2001	8:30	NA	1.0	NA	"
	12/7/2001	7:30	NA	1.4	NA	"
	12/8/2001	16:00	NA	0.1	NA	"
	12/9/2001	13:00	NA	0.0	NA	"
	12/10/2001	16:00	NA	0.5	NA	"
	12/11/2001	11:00	NA	1.6	NA	"
	12/12/2001	19:15	75	27.0	5,450	Well Opened
	12/13/2001	11:15	85	29.0	4,380	"
	12/20/2001	15:10	95	34.0	9,999	"
	12/28/2001	11:00	75	20.0	100	"
	1/3/2002	15:00	75	20.0	100	"
	1/10/2002	15:00	NA	1.9	NA	Well Closed
	1/18/2002	18:00	NA	3.5	NA	"
	1/24/2002	15:10	NA	2.4	NA	"
	1/31/2002	15:48	57	29.0	1,060	Well Opened
	2/1/2002	10:00	40	21.0	920	"
	2/6/2002	13:00	34	17.0	850	"
	2/15/2002	11:00	34	18	850	"
	2/27/2002	10:30	70	36	800	"
	3/6/2002	9:00	65	34	677	"
	3/13/2002	14:35	78	35	495	"
	3/20/2002	10:45	91	35	420	"
	3/29/2002	10:00	64	44	422	"
	3/29/2002	14:20	77.5	40	385	"
	3/30/2002	10:58	58.5	42	406	"
	3/31/2002	10:31	59	41.5	431	"
	4/1/2002	16:50	78	42	375	"
	4/2/2002	11:40	81	44	351	"
	4/4/2002	17:00	85	39.5	421	"
	4/5/2002	11:30	107	42.5	390	"
	4/6/2002	12:00	104	42	323	"
	4/7/2002	11:00	102	43	310	"
	4/8/2002	12:45	101	44	310	"
	4/9/2002	8:45	106	44	352	"
	4/10/2002	14:30	80	42	319	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	114	43	NA	"
	4/17/2002	15:20	114.5	36	305	"
	4/23/2002	15:51	109	44	NA	"
	5/3/2002	12:48	58	36.5	178	"
	5/9/2002	19:10	73	39	164	"
	5/23/2002	16:20	87.5	43	* 11	"
	6/13/2002	8:35	86.5	44	* 9.5	"
	6/20/2002	10:17	39.5	44	* 9.0	"
	6/27/2002	12:34	86.5	43	* 6.5	"
	7/3/2002	11:00	78	42	44	"
	7/9/2002	14:17	107	44	32	"
	7/15/2002	11:48	96	48	47	"
	7/23/2002	9:12	121	48	19	"
	7/30/2002	13:35	NA	NA	NA	"
	8/7/2002	15:15	128	52	44	"
	8/15/2002	15:30	96	46	NA	"
	8/20/2002	11:28	NA	10	NA	Well Closed
	8/27/2002	9:40	NA	10	NA	"
	9/5/2002	10:45	NA	10	NA	"
	9/13/2002	12:45	NA	10	NA	"
	9/19/2002	13:20	NA	11	NA	"
	9/25/2002	7:02	62.5	29	16.9	"
	10/1/2002	15:51	NA	11	NA	"
	10/9/2002	9:43	NA	12	NA	"

## TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility

**Location:** Torrance, California

**System:** Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H <sub>2</sub> O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-8A	11/27/2001	13:00	14	25	1,675	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	10	20	240	Well Opened
	1/10/2002	15:00	NA	2.5	NA	"
	1/18/2002	18:00	24	50	855	"
	1/24/2002	15:10	14	48	1,030	"
	1/31/2002	15:48	6	30	980	"
	2/1/2002	10:00	7	21	1,010	"
	2/6/2002	13:00	6	16	1,400	"
	2/15/2002	11:00	6.5	18	480	Well Closed
	3/20/2002	14:00	NA	55	24	"
	3/29/2002	14:20	7	43	59	Well Opened
	3/30/2002	10:58	7	43	76	"
	3/31/2002	10:31	9.8	43	81	"
	4/1/2002	16:50	9.4	45	79	"
	4/2/2002	11:40	9.5	46	117	"
	4/4/2002	17:00	8.8	42	130	"
	4/5/2002	11:30	11.4	45	78	"
	4/6/2002	12:00	10.8	44.5	63	"
	4/7/2002	11:00	10.4	44	59	"
	4/8/2002	12:45	11	45	58	"
	4/9/2002	8:45	10.1	47	69	"
	4/10/2002	14:30	9.7	44	69	"
	4/11/2002	19:35	NA	NA	NA	Well Closed
	4/12/2002	18:37	NA	11	NA	"
	4/17/2002	15:20	NA	6	NA	"
	4/23/2002	15:51	NA	13	NA	"
	5/3/2002	12:48	NA	1	NA	"
	5/9/2002	19:10	NA	2	NA	"
	5/23/2002	16:20	NA	14	NA	"
	6/13/2002	8:35	NA	15	NA	"
	6/20/2002	10:17	NA	15	NA	"
	6/27/2002	12:34	NA	14	NA	"
	7/3/2002	11:00	NA	15	NA	"
	7/9/2002	14:17	NA	14.5	NA	"
	7/15/2002	11:48	NA	15	NA	"
	7/23/2002	9:12	NA	15	NA	"
	7/30/2002	13:35	NA	NA	NA	"
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	12	NA	"
	8/20/2002	11:28	NA	11	NA	"
	8/27/2002	9:40	NA	11	NA	"
	9/5/2002	10:45	NA	11	NA	"
	9/13/2002	12:45	NA	10	NA	"
	9/19/2002	13:20	NA	12	NA	"
	9/25/2002	7:02	62.5	29	17	"
	10/1/2002	15:51	NA	12	NA	"
	10/9/2002	9:43	NA	12	NA	"

## TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility

**Location:** Torrance, California

**System:** Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H <sub>2</sub> O)	WELLHEAD PID (2) (ppmv)	COMMENTS
<b>2-VEW-8B</b>	11/27/2001	13:00	56	30	3,750	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	50	20	990	Well Opened
	1/10/2002	15:00	64	21	2,750	"
	1/18/2002	18:00	NA	3.7	NA	Well Closed
	1/24/2002	15:10	NA	2.8	NA	"
	1/31/2002	15:48	46	29	1,300	Well Opened
	2/1/2002	10:00	30	21	1,370	"
	2/6/2002	13:00	22	16	790	"
	2/15/2002	11:00	22	19	1,830	"
	2/27/2002	10:30	76	44	1,185	"
	3/6/2002	9:00	54	42	930	"
	3/13/2002	14:35	90	42	715	"
	3/20/2002	10:45	103	41	510	"
	3/29/2002	10:00	62	44	472	"
	3/29/2002	14:20	60	42	500	"
	3/30/2002	10:58	62.5	44	712	"
	3/31/2002	10:31	60.5	44.5	724	"
	4/1/2002	16:50	60	43	740	"
	4/2/2002	11:40	64	46	664	"
	4/4/2002	17:00	68	41	660	"
	4/5/2002	11:30	64	43.5	704	"
	4/6/2002	12:00	61.5	43.5	668	"
	4/7/2002	11:00	63.5	45.5	681	"
	4/8/2002	12:45	66	44	669	"
	4/9/2002	8:45	65.5	45	787	"
	4/10/2002	14:30	65	43	719	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	41.8	26	NA	"
	4/17/2002	15:20	51.5	19.5	276	"
	4/23/2002	15:51	50.5	28.5	NA	"
	5/3/2002	12:48	31.1	22	281	"
	5/9/2002	19:10	23	21	362	"
	5/23/2002	16:20	38.4	29	* 39	"
	6/13/2002	8:35	25.2	30	* 20	"
	6/20/2002	10:17	40.9	30	* 25	"
	6/27/2002	12:34	28.6	29	* 17	"
	7/3/2002	11:00	18	28	121	"
	7/9/2002	14:17	65	29	83	"
	7/15/2002	11:48	40	30	133	"
	7/23/2002	9:12	51.5	31	117	"
	7/30/2002	13:35	151	55	86	"
	8/7/2002	15:15	121	51	69	"
	8/15/2002	15:30	93	46	NA	"
	8/20/2002	11:28	95	54	53	"
	8/27/2002	9:40	132	53	29	"
	9/5/2002	10:45	157	57	17	"
	9/13/2002	12:45	NA	vent	NA	"
	9/19/2002	13:20	102	50	33	"
	9/25/2002	7:02	78.5	46	30	"
	10/1/2002	15:51	98.5	46	45	"
	10/9/2002	9:43	141	46	35	"

## TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility

**Location:** Torrance, California

**System:** Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H <sub>2</sub> O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-9	11/27/2001	13:00	38	30	2,550	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	75	19	390	Well Opened
	1/10/2002	15:00	NA	3.2	NA	Well Closed
	1/18/2002	18:00	NA	4.8	NA	"
	1/24/2002	15:10	NA	4.2	NA	"
	1/31/2002	15:48	24	29	1,970	Well Opened
	2/1/2002	10:00	17	21	1,100	"
	2/6/2002	13:00	14	17	750	"
	2/15/2002	11:00	14	20	795	"
	2/27/2002	10:30	98	60	355	"
	3/6/2002	9:00	94	56	350	"
	3/13/2002	14:35	91	56	305	"
	3/20/2002	10:45	93	58	243	"
	3/29/2002	10:00	77	50	241	"
	3/29/2002	14:20	52.5	44	334	"
	3/30/2002	10:58	51	45	532	"
	3/31/2002	10:31	53	45	1,325	"
	4/1/2002	16:50	52	45	610	"
	4/2/2002	11:40	56	48	542	"
	4/4/2002	17:00	60	44	568	"
	4/5/2002	11:30	57.5	45.5	479	"
	4/6/2002	12:00	57	46	546	"
	4/7/2002	11:00	56	47	506	"
	4/8/2002	12:45	56.5	47	497	"
	4/9/2002	8:45	55	47	472	"
	4/10/2002	14:30	57	46	530	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	49.3	44	NA	"
	4/17/2002	15:20	52.5	38	283	"
	4/23/2002	15:51	47.1	44.5	NA	"
	5/3/2002	12:48	54	34	239	"
	5/9/2002	19:10	43	40	300	"
	5/23/2002	16:20	47.3	44	* 25	"
	6/13/2002	8:35	47.8	46	* 23	"
	6/20/2002	10:17	45.4	47	* 20	"
	6/27/2002	12:34	49.7	45	* 19	"
	7/3/2002	11:00	48	45	112	"
	7/9/2002	14:17	48.6	46	82	"
	7/15/2002	11:48	60	52	116	"
	7/23/2002	9:12	63	91	65	"
	7/30/2002	13:35	83.5	60	36	"
	8/7/2002	15:15	69.5	55	28	"
	8/15/2002	15:30	60	48	NA	"
	8/20/2002	11:28	NA	20	NA	Well Closed
	8/27/2002	9:40	NA	20	NA	"
	9/5/2002	10:45	NA	19	NA	"
	9/13/2002	12:45	NA	17	NA	"
	9/19/2002	13:20	NA	18	NA	"
	9/25/2002	7:02	42.9	28	16	"
	10/1/2002	15:51	NA	17	NA	"
	10/9/2002	9:43	NA	17	NA	"

## TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility

**Location:** Torrance, California

**System:** Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H <sub>2</sub> O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-10A	11/27/2001	13:00	20	30	1,400	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	20	22	45	Well Opened
	1/10/2002	15:00	NA	2.3	NA	
	1/18/2002	18:00	33	48	2,750	"
	1/24/2002	15:10	45	45	1,890	"
	1/31/2002	15:48	18	28	1,450	"
	2/1/2002	10:00	13	20	1,350	"
	2/6/2002	13:00	11	17	1,250	Well Closed
	2/15/2002	11:00	12.5	19	1,085	Well Opened
	3/20/2002	14:00	NA	57	38	"
	3/29/2002	14:20	13	22	15	"
	3/30/2002	10:58	13	24	23	"
	3/31/2002	10:31	13	24	30	"
	4/1/2002	16:50	13.6	24	49	"
	4/2/2002	11:40	10	23	60	"
	4/4/2002	17:00	9.8	18	82	"
	4/5/2002	11:30	11.9	21	50	"
	4/6/2002	12:00	10.5	21.5	56	"
	4/7/2002	11:00	10.9	22	57	"
	4/8/2002	12:45	10.9	22	147	"
	4/9/2002	8:45	10.5	21	74	"
	4/10/2002	14:30	12.4	22	65	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	11.8	21	NA	"
	4/17/2002	15:20	11.9	16	68	"
	4/23/2002	15:51	10.5	23.5	NA	"
	5/3/2002	12:48	11.4	16	49	"
	5/9/2002	19:10	NA	12	NA	"
	5/23/2002	16:20	24.8	35	* 6.4	"
	6/13/2002	8:35	26.4	36	* 10	"
	6/20/2002	10:17	24.4	36	* 11	"
	6/27/2002	12:34	27.3	35	* 8.0	"
	7/3/2002	11:00	25	32	59	"
	7/9/2002	14:17	27	36	35	"
	7/15/2002	11:48	32	37	64	"
	7/23/2002	9:12	33	37	23	"
	7/30/2002	13:35	NA	NA	NA	Well Closed
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	12	NA	"
	8/20/2002	11:28	NA	12	NA	"
	8/27/2002	9:40	NA	12	NA	"
	9/5/2002	10:45	NA	12	NA	"
	9/13/2002	12:45	NA	10	NA	"
	9/19/2002	13:20	NA	10	NA	"
	9/25/2002	7:02	26.9	29	3	"
	10/1/2002	15:51	NA	10	NA	"
	10/9/2002	9:43	NA	10	NA	"

## TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility  
**Location:** Torrance, California  
**System:** Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H <sub>2</sub> O)	WELLHEAD PID (2) (ppmv)	COMMENTS
<b>2-VEW-10B</b>	11/27/2001	13:00	45	30	1,620	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	32	18	700	Well Opened
	1/10/2002	15:00	NA	4.2	NA	Well Closed
	1/18/2002	18:00	NA	4.4	NA	"
	1/24/2002	15:10	NA	4	NA	"
	1/31/2002	15:48	26	28	6,000	Well Opened
	2/1/2002	10:00	15	21	3,710	"
	2/6/2002	13:00	11	17	3,000	"
	2/15/2002	11:00	14	19	2,580	"
	2/27/2002	10:30	43	37	1,400	"
	3/6/2002	9:00	39	35	1,080	"
	3/13/2002	14:35	39	32	788	"
	3/20/2002	10:45	49	29	690	"
	3/29/2002	10:00	36	29	488	"
	3/29/2002	14:20	15	25	350	"
	3/30/2002	10:58	15	27	533	"
	3/31/2002	10:31	16	28	670	"
	4/1/2002	16:50	15	28	690	"
	4/2/2002	11:40	11	27	287	"
	4/4/2002	17:00	10.9	21.5	297	"
	4/5/2002	11:30	12.1	26.5	364	"
	4/6/2002	12:00	10.6	26	362	"
	4/7/2002	11:00	12.1	27	324	"
	4/8/2002	12:45	11	28	327	"
	4/9/2002	8:45	11.1	26	383	"
	4/10/2002	14:30	12.6	26	370	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	52.5	26.5	NA	"
	4/17/2002	15:20	65.5	39	780	"
	4/23/2002	15:51	67.5	47	NA	"
	5/3/2002	12:48	74	37	447	"
	5/9/2002	19:10	63	40	345	"
	5/23/2002	16:20	69	44	* 36	"
	6/13/2002	8:35	69.5	45	* 42	"
	6/20/2002	10:17	65	46	* 35	"
	6/27/2002	12:34	70.5	44	* 27	"
	7/3/2002	11:00	65	44	148	"
	7/9/2002	14:17	71	45	133	"
	7/15/2002	11:48	82	50	130	"
	7/23/2002	9:12	84.5	50	85	"
	7/30/2002	13:35	116.5	58	76	"
	8/7/2002	15:15	105	54	76	"
	8/15/2002	15:30	81	48	NA	"
	8/20/2002	11:28	100	57	158	"
	8/27/2002	9:40	102	55	52	"
	9/5/2002	10:45	111	60	46	"
	9/13/2002	12:45	110	56	79	"
	9/19/2002	13:20	102.5	54	46	"
	9/25/2002	7:02	93.5	49	35	"
	10/1/2002	15:51	94.5	48	47	"
	10/9/2002	9:43	91.5	49	53	"

## TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility

**Location:** Torrance, California

**System:** Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H <sub>2</sub> O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-11A	11/27/2001	13:00	27	25	1,700	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	20	21	110	Well Opened
	1/10/2002	15:00	NA	22	725	"
	1/18/2002	18:00	52	47	620	"
	1/24/2002	15:10	79	43	350	"
	1/31/2002	15:48	39	29	280	"
	2/1/2002	10:00	28	20	175	"
	2/6/2002	13:00	24	16	190	"
	2/15/2002	11:00	27	19	90	Well Closed
	3/20/2002	14:00	NA	46	20	"
	3/29/2002	14:20	24	8	NA	"
	3/30/2002	10:58	1	9	NA	"
	3/31/2002	10:31	0.4	10	NA	"
	4/1/2002	16:50	NA	9	NA	"
	4/2/2002	11:40	NA	10	NA	"
	4/4/2002	17:00	NA	7	NA	"
	4/5/2002	11:30	NA	9	NA	"
	4/6/2002	12:00	NA	9	NA	"
	4/7/2002	11:00	NA	9.5	NA	"
	4/8/2002	12:45	NA	10	NA	"
	4/9/2002	8:45	NA	10	NA	"
	4/10/2002	14:30	NA	10	NA	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	NA	8	NA	"
	4/17/2002	15:20	NA	5	NA	"
	4/23/2002	15:51	NA	9.5	NA	"
	5/3/2002	12:48	NA	4	NA	"
	5/9/2002	19:10	NA	8	NA	"
	5/23/2002	16:20	NA	10	NA	"
	6/13/2002	8:35	NA	10	NA	"
	6/20/2002	10:17	NA	10	NA	"
	6/27/2002	12:34	NA	9	NA	"
	7/3/2002	11:00	NA	10	NA	"
	7/9/2002	14:17	NA	8.5	NA	"
	7/15/2002	11:48	NA	8	NA	"
	7/23/2002	9:12	NA	7	NA	"
	7/30/2002	13:35	NA	NA	NA	"
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	8	NA	"
	8/20/2002	11:28	NA	5	NA	"
	8/27/2002	9:40	NA	7	NA	"
	9/5/2002	10:45	NA	8	NA	"
	9/13/2002	12:45	NA	6	NA	"
	9/19/2002	13:20	NA	6	NA	"
	9/25/2002	7:02	56	27	2	"
	10/1/2002	15:51	NA	5	NA	"
	10/9/2002	9:43	NA	5	NA	"

## TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility

**Location:** Torrance, California

**System:** Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H <sub>2</sub> O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-11B	11/27/2001	13:00	19	30.0	1,040	
	11/28/2001	13:15	NA	27.5	3,100	Initial Startup
	11/30/2001	14:20	NA	27.0	NA	Well Opened
	12/3/2001	17:10	NA	26.5	NA	"
	12/4/2001	10:15	NA	27.5	1,510	"
	12/5/2001	16:30	NA	29.0	3,200	"
	12/6/2001	8:30	NA	28.8	3,015	"
	12/7/2001	7:30	NA	29.0	3,600	"
	12/8/2001	16:00	NA	29.0	3,100	"
	12/9/2001	13:00	NA	27.0	NA	"
	12/10/2001	16:00	NA	28.5	4,700	"
	12/11/2001	11:00	NA	30.0	4,100	Well Closed
	12/12/2001	19:15	NA	2.1	NA	"
	12/13/2001	11:15	NA	0.9	NA	"
	12/20/2001	15:10	NA	1.7	NA	"
	12/28/2001	11:00	15	22.0	520	Well Opened
	1/3/2002	15:00	15	22.0	520	"
	1/10/2002	15:00	NA	4.0	NA	"
	1/18/2002	18:00	NA	4.8	NA	"
	1/24/2002	15:10	NA	4.5	NA	"
	1/31/2002	15:48	12	29.0	850	"
	2/1/2002	10:00	6	21.0	590	"
	2/6/2002	13:00	5	16.0	340	"
	2/15/2002	11:00	5.5	19	415	Well Closed
	3/20/2002	14:00	NA	53	303	"
	3/29/2002	14:20	18	39	586	Well Opened
	3/30/2002	10:58	16	41	531	"
	3/31/2002	10:31	17.5	42	1,651	"
	4/1/2002	16:50	17	41	565	"
	4/2/2002	11:40	17	44	515	"
	4/4/2002	17:00	19.6	38.5	536	"
	4/5/2002	11:30	18.4	42	484	"
	4/6/2002	12:00	18.6	42.5	464	"
	4/7/2002	11:00	16.5	43.5	461	"
	4/8/2002	12:45	18.4	44	474	"
	4/9/2002	8:45	17	43	471	"
	4/10/2002	14:30	17	42	463	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	23.7	47	NA	"
	4/17/2002	15:20	28.4	41	465	"
	4/23/2002	15:51	19.7	47	NA	"
	5/3/2002	12:48	25.3	36.5	NA	"
	5/9/2002	19:10	15	41	383	"
	5/23/2002	16:20	16.6	45	* 41	"
	6/13/2002	8:35	15.7	46	* 35	"
	6/20/2002	10:17	15.3	47	* 29	"
	6/27/2002	12:34	16.7	45	* 28	"
	7/3/2002	11:00	16	45	178	"
	7/9/2002	14:17	16.1	46	129	"
	7/15/2002	11:48	21	52	202	"
	7/23/2002	9:12	23.5	52	97	"
	7/30/2002	13:35	29.5	60	92	"
	8/7/2002	15:15	30	57	87	"
	8/15/2002	15:30	20	49	NA	"
	8/20/2002	11:28	25	60	132	"
	8/27/2002	9:40	27	58	51	"
	9/5/2002	10:45	28	63	59	"
	9/13/2002	12:45	27.7	58	69	"
	9/19/2002	13:20	27.3	56	43	"
	9/25/2002	7:02	27.3	51	88	"
	10/1/2002	15:51	26.3	50	47	"
	10/9/2002	9:43	28.7	50	40	"

## TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility  
**Location:** Torrance, California  
**System:** Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H <sub>2</sub> O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-12	11/27/2001	13:00	82	30	2,500	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	75	19	390	Well Opened
	1/10/2002	15:00	NA	3.4	NA	Well Closed
	1/18/2002	18:00	NA	5.5	NA	"
	1/24/2002	15:10	NA	4.8	NA	"
	1/31/2002	15:48	75	28	815	Well Opened
	2/1/2002	10:00	49	20	540	"
	2/6/2002	13:00	39	17	325	"
	2/15/2002	11:00	44	19	350	Well Closed
	3/20/2002	14:00	NA	40	61	"
	3/29/2002	14:20	117	41	67	Well Opened
	3/30/2002	10:58	120	42	92	"
	3/31/2002	10:31	121	43	539	"
	4/1/2002	16:50	121	43	154	"
	4/2/2002	11:40	125	45	145	"
	4/4/2002	17:00	124	41	180	"
	4/5/2002	11:30	124	42.5	108	"
	4/6/2002	12:00	121	43.5	110	"
	4/7/2002	11:00	125	44.5	101	"
	4/8/2002	12:45	120	44	100	"
	4/9/2002	8:45	122	44	88	"
	4/10/2002	14:30	125	43	132	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	122	43	NA	"
	4/17/2002	15:20	117	38	55	"
	4/23/2002	15:51	117	44	NA	"
	5/3/2002	12:48	119	34	36	"
	5/9/2002	19:10	107	37	35	"
	5/23/2002	16:20	113	41.5	* 2.0	"
	6/13/2002	8:35	121	43	* 7.0	"
	6/20/2002	10:17	115	44	* 7.0	"
	6/27/2002	12:34	120	42	* 6.8	"
	7/3/2002	11:00	116	42	35	"
	7/9/2002	14:17	117	46	11	"
	7/15/2002	11:48	NA	15	NA	"
	7/23/2002	9:12	NA	16	NA	"
	7/30/2002	13:35	NA	NA	NA	"
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	16	NA	"
	8/20/2002	11:28	NA	15	NA	"
	8/27/2002	9:40	NA	17	NA	"
	9/5/2002	10:45	NA	14	NA	"
	9/13/2002	12:45	NA	12	NA	"
	9/19/2002	13:20	NA	12	NA	"
	9/25/2002	7:02	79.5	28	3	"
	10/1/2002	15:51	NA	12	NA	"
	10/9/2002	9:43	NA	12	NA	"

## TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility

**Location:** Torrance, California

**System:** Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H <sub>2</sub> O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-13A	11/27/2001	13:00	17	25	1,700	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	10	23	95	Well Opened
	1/10/2002	15:00	12	32	380	"
	1/18/2002	18:00	22	48	375	"
	1/24/2002	15:10	45	44	420	"
	1/31/2002	15:48	23	29	500	"
	2/1/2002	10:00	18	20	390	"
	2/6/2002	13:00	16	17	375	"
	2/15/2002	11:00	15	19	189	"
	3/20/2002	14:00	NA	47	161	"
	3/29/2002	14:20	1	6.5	NA	Well Closed
	3/30/2002	10:58	0.3	7.5	NA	"
	3/31/2002	10:31	0.7	8	NA	"
	4/1/2002	16:50	NA	9	NA	"
	4/2/2002	11:40	NA	10	NA	"
	4/4/2002	17:00	NA	6	NA	"
	4/5/2002	11:30	NA	8	NA	"
	4/6/2002	12:00	NA	8	NA	"
	4/7/2002	11:00	NA	9	NA	"
	4/8/2002	12:45	NA	10	NA	"
	4/9/2002	8:45	NA	10	NA	"
	4/10/2002	14:30	NA	9	NA	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	NA	7	NA	"
	4/17/2002	15:20	NA	4.5	NA	"
	4/23/2002	15:51	NA	10	NA	"
	5/3/2002	12:48	NA	5	NA	"
	5/9/2002	19:10	NA	9	NA	"
	5/23/2002	16:20	NA	11	NA	"
	6/13/2002	8:35	NA	11	NA	"
	6/20/2002	10:17	NA	11	NA	"
	6/27/2002	12:34	NA	9	NA	"
	7/3/2002	11:00	NA	8	NA	"
	7/9/2002	14:17	NA	8	NA	"
	7/15/2002	11:48	NA	7	NA	"
	7/23/2002	9:12	NA	6	NA	"
	7/30/2002	13:35	NA	NA	NA	"
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	6	NA	"
	8/20/2002	11:28	NA	6	NA	"
	8/27/2002	9:40	NA	6	NA	"
	9/5/2002	10:45	NA	4	NA	"
	9/13/2002	12:45	NA	4	NA	"
	9/19/2002	13:20	NA	4	NA	"
	9/25/2002	7:02	54.5	28	3	"
	10/1/2002	15:51	NA	3	NA	"
	10/9/2002	9:43	NA	3	NA	"

## TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility

**Location:** Torrance, California

**System:** Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H <sub>2</sub> O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-13B	11/27/2001	13:00	40	25	1,850	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	35	21	990	Well Opened
	1/10/2002	15:00	NA	5	NA	"
	1/18/2002	18:00	NA	4.7	NA	"
	1/24/2002	15:10	NA	5.1	NA	"
	1/31/2002	15:48	22	29	3,550	"
	2/1/2002	10:00	12	20	2,500	"
	2/6/2002	13:00	12	17	1,900	"
	2/15/2002	11:00	9.6	19	1,590	Well Closed
	3/20/2002	14:00	NA	53	303	"
	3/29/2002	14:20	6	24.5	170	Well Opened
	3/30/2002	10:58	8	26	289	"
	3/31/2002	10:31	5.6	26	327	"
	4/1/2002	16:50	5.8	27	291	"
	4/2/2002	11:40	7.6	30	621	"
	4/4/2002	17:00	10	23	632	"
	4/5/2002	11:30	8.6	28	605	"
	4/6/2002	12:00	8.5	28	626	"
	4/7/2002	11:00	8	28.5	582	"
	4/8/2002	12:45	7.5	29	794	"
	4/9/2002	8:45	8	29	697	"
	4/10/2002	14:30	8.3	26	623	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	31.1	47	NA	"
	4/17/2002	15:20	38.2	40.5	567	"
	4/23/2002	15:51	27.5	47	NA	"
	5/3/2002	12:48	33.5	37.5	388	"
	5/9/2002	19:10	27	41	340	"
	5/23/2002	16:20	32.4	45	* 25	"
	6/13/2002	8:35	38	45.5	* 42	"
	6/20/2002	10:17	38	46.5	* 25	"
	6/27/2002	12:34	44.4	45.5	* 14	"
	7/3/2002	11:00	44	44	85	"
	7/9/2002	14:17	46.6	46	78	"
	7/15/2002	11:48	59	51	76	"
	7/23/2002	9:12	63.5	51	47	"
	7/30/2002	13:35	NA	NA	NA	"
	8/7/2002	15:15	77.5	56	73	"
	8/15/2002	15:30	61	48	NA	"
	8/20/2002	11:28	72	58	75	"
	8/27/2002	9:40	74	56	28	"
	9/5/2002	10:45	NA	16	NA	Well Closed
	9/13/2002	12:45	NA	15	NA	"
	9/19/2002	13:20	NA	16	NA	"
	9/25/2002	7:02	33.6	28	6	"
	10/1/2002	15:51	NA	16	NA	"
	10/9/2002	9:43	NA	16	NA	"

## TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility

**Location:** Torrance, California

**System:** Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H <sub>2</sub> O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-14A	11/27/2001	13:00	18	25	1,300	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	19	23	390	Well Opened
	1/10/2002	15:00	NA	22	700	"
	1/18/2002	18:00	40	48	520	"
	1/24/2002	15:10	75	42	415	"
	1/31/2002	15:48	52	28	140	"
	2/1/2002	10:00	43	20	140	"
	2/6/2002	13:00	44	17	102	"
	2/15/2002	11:00	46	18	50	"
	3/20/2002	14:00	NA	42	58	"
	3/29/2002	14:20	18	44	NA	Well Closed
	3/30/2002	10:58	0.3	6	NA	"
	3/31/2002	10:31	0.1	7	NA	"
	4/1/2002	16:50	NA	7	NA	"
	4/2/2002	11:40	NA	8	NA	"
	4/4/2002	17:00	NA	6.5	NA	"
	4/5/2002	11:30	NA	9	NA	"
	4/6/2002	12:00	NA	9	NA	"
	4/7/2002	11:00	NA	9.5	NA	"
	4/8/2002	12:45	NA	10.5	NA	"
	4/9/2002	8:45	NA	10	NA	"
	4/10/2002	14:30	NA	10	NA	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	20	20	NA	"
	4/17/2002	15:20	33	16	27	"
	4/23/2002	15:51	24	22	NA	"
	5/3/2002	12:48	26.6	14	23	"
	5/9/2002	19:10	NA	8	NA	"
	5/23/2002	16:20	NA	9	NA	"
	6/13/2002	8:35	NA	9	NA	"
	6/20/2002	10:17	NA	9	NA	"
	6/27/2002	12:34	NA	8.5	NA	"
	7/3/2002	11:00	NA	9	NA	"
	7/9/2002	14:17	NA	8.5	NA	"
	7/15/2002	11:48	NA	8	NA	"
	7/23/2002	9:12	NA	7	NA	"
	7/30/2002	13:35	NA	NA	NA	"
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	6	NA	"
	8/20/2002	11:28	NA	7	NA	"
	8/27/2002	9:40	NA	6	NA	"
	9/5/2002	10:45	NA	6	NA	"
	9/13/2002	12:45	NA	5	NA	"
	9/19/2002	13:20	NA	5	NA	"
	9/25/2002	7:02	47.4	26	2	"
	10/1/2002	15:51	NA	4	NA	"
	10/9/2002	9:43	NA	5	NA	"

## TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility

**Location:** Torrance, California

**System:** Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H <sub>2</sub> O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-14B	11/27/2001	13:00	33	25.0	1,750	Initial Startup
	11/28/2001	13:15	NA	27.5	3,000	Well Opened
	11/30/2001	14:20	NA	27.0	NA	"
	12/3/2001	17:10	NA	26.0	NA	"
	12/4/2001	10:15	NA	28.0	960	"
	12/5/2001	16:30	NA	28.0	2,400	"
	12/6/2001	8:30	NA	28.2	2,930	"
	12/7/2001	7:30	NA	29.5	3,875	"
	12/8/2001	16:00	NA	29.0	2,650	"
	12/9/2001	13:00	NA	24.0	NA	"
	12/10/2001	16:00	NA	28.0	4,075	"
	12/11/2001	11:00	NA	30.0	3,850	Well Closed
	12/12/2001	19:15	NA	1.9	NA	"
	12/13/2001	11:15	NA	0.8	NA	"
	12/20/2001	15:10	NA	1.6	NA	"
	12/28/2001	11:00	40	21.0	830	Well Opened
	1/3/2002	15:00	40	21.0	830	"
	1/10/2002	15:00	NA	4.2	NA	"
	1/18/2002	18:00	NA	5.9	NA	"
	1/24/2002	15:10	NA	5.2	NA	"
	1/31/2002	15:48	21	28.0	1,015	"
	2/1/2002	10:00	16	20.0	765	"
	2/6/2002	13:00	NA	17.0	600	"
	2/15/2002	11:00	13	18	520	Well Closed
	3/20/2002	14:00	NA	47	79	"
	3/29/2002	14:20	24.5	27	163	Well Opened
	3/30/2002	10:58	16.7	28.5	94	"
	3/31/2002	10:31	17	29	191	"
	4/1/2002	16:50	16	29	208	"
	4/2/2002	11:40	16	30	190	"
	4/4/2002	17:00	16.4	29.5	240	"
	4/5/2002	11:30	17.3	28.5	206	"
	4/6/2002	12:00	16.9	29	200	"
	4/7/2002	11:00	17.6	29.5	191	"
	4/8/2002	12:45	17.8	30.5	189	"
	4/9/2002	8:45	16.7	29	207	"
	4/10/2002	14:30	17.6	28	210	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	11	26	NA	"
	4/17/2002	15:20	11.3	20	210	"
	4/23/2002	15:51	10.5	28	NA	"
	5/3/2002	12:48	10.9	16	129	"
	5/9/2002	19:10	11	23	58	"
	5/23/2002	16:20	10.8	9	NA	"
	6/13/2002	8:35	11	26	* 5.2	"
	6/20/2002	10:17	10.4	27	* 7.0	"
	6/27/2002	12:34	12.2	25.5	* 4.0	"
	7/3/2002	11:00	11	25	32	"
	7/9/2002	14:17	11.5	26	11	"
	7/15/2002	11:48	NA	16	NA	Well Closed
	7/23/2002	9:12	NA	16	NA	"
	7/30/2002	13:35	NA	NA	NA	"
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	15	NA	"
	8/20/2002	11:28	NA	16	NA	"
	8/27/2002	9:40	NA	16	NA	"
	9/5/2002	10:45	NA	14	NA	"
	9/13/2002	12:45	NA	13	NA	"
	9/19/2002	13:20	NA	13	NA	"
	9/25/2002	7:02	17.7	28	4	"
	10/1/2002	15:51	NA	12	NA	"
	10/9/2002	9:43	NA	13	NA	"

## TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility

**Location:** Torrance, California

**System:** Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H <sub>2</sub> O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-15A	11/27/2001	13:00	41	30	1,170	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	23	18	67	Well Opened
	1/10/2002	15:00	NA	19	NA	"
	1/18/2002	18:00	61	47	810	"
	1/24/2002	15:10	83	43	585	"
	1/31/2002	15:48	37	28	500	"
	2/1/2002	10:00	27	20	300	"
	2/6/2002	13:00	23	16	290	"
	2/15/2002	11:00	29	18	150	"
	3/29/2002	14:20	1	5	NA	Well Closed
	3/30/2002	10:58	0.5	6	NA	"
	3/31/2002	10:31	4	6	NA	"
	4/1/2002	16:50	NA	7	NA	"
	4/2/2002	11:40	NA	8	NA	"
	4/4/2002	17:00	NA	4	NA	"
	4/5/2002	11:30	NA	6	NA	"
	4/6/2002	12:00	NA	6.5	NA	"
	4/7/2002	11:00	NA	7	NA	"
	4/8/2002	12:45	NA	8	NA	"
	4/9/2002	8:45	NA	8	NA	"
	4/10/2002	14:30	NA	7	NA	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	NA	6	NA	"
	4/17/2002	15:20	NA	3.5	NA	"
	4/23/2002	15:51	NA	7	NA	"
	5/3/2002	12:48	NA	3	NA	"
	5/9/2002	19:10	NA	6	NA	"
	5/23/2002	16:20	NA	7	NA	"
	6/13/2002	8:35	NA	7	NA	"
	6/20/2002	10:17	NA	7	NA	"
	6/27/2002	12:34	NA	7	NA	"
	7/3/2002	11:00	NA	7	NA	"
	7/9/2002	14:17	NA	7	NA	"
	7/15/2002	11:48	NA	7	NA	"
	7/23/2002	9:12	NA	6	NA	"
	7/30/2002	13:35	NA	NA	NA	"
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	6	NA	"
	8/20/2002	11:28	NA	7	NA	"
	8/27/2002	9:40	NA	6	NA	"
	9/5/2002	10:45	NA	6	NA	"
	9/13/2002	12:45	NA	6	NA	"
	9/19/2002	13:20	NA	5	NA	"
	9/25/2002	7:02	62	28	55	"
	10/1/2002	15:51	NA	4	NA	"
	10/9/2002	9:43	NA	5	NA	"

## TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility

**Location:** Torrance, California

**System:** Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H <sub>2</sub> O)	WELLHEAD PID (2) (ppmv)	COMMENTS
<b>2-VEW-15B</b>	11/27/2001	13:00	22	25	1,120	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	20	21	575	Well Opened
	1/10/2002	15:00	23	22	2,100	"
	1/18/2002	18:00	61	47	810	"
	1/24/2002	15:10	NA	5.1	NA	"
	1/31/2002	15:48	10	28	1,400	"
	2/1/2002	10:00	7	21	925	"
	2/6/2002	13:00	6	16	765	"
	2/15/2002	11:00	6	18	665	Well Closed
	3/20/2002	14:00	NA	51	113	"
	3/29/2002	14:20	19	39	300	Well Opened
	3/30/2002	10:58	18	41	414	"
	3/31/2002	10:31	18	41	412	"
	4/1/2002	16:50	16	29	208	"
	4/2/2002	11:40	18	44	360	"
	4/4/2002	17:00	18.8	39	385	"
	4/5/2002	11:30	20.5	40.5	315	"
	4/6/2002	12:00	18.5	42	311	"
	4/7/2002	11:00	17.6	43	276	"
	4/8/2002	12:45	20	44	289	"
	4/9/2002	8:45	18.7	44	284	"
	4/10/2002	14:30	18.2	42	277	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	18.4	48	NA	"
	4/17/2002	15:20	24.5	41	254	"
	4/23/2002	15:51	18	48	NA	"
	5/3/2002	12:48	20.3	37	148	"
	5/9/2002	19:10	18	40	169	"
	5/23/2002	16:20	18.6	45	* 13	"
	6/13/2002	8:35	21.7	47	* 14	"
	6/20/2002	10:17	19	46	* 18	"
	6/27/2002	12:34	21.2	45	* 11	"
	7/3/2002	11:00	29	45	72	"
	7/9/2002	14:17	26	47	55	"
	7/15/2002	11:48	30	51	81	"
	7/23/2002	9:12	33	51	49	"
	7/30/2002	13:35	NA	NA	NA	"
	8/7/2002	15:15	37.5	56	80	"
	8/15/2002	15:30	30	48	NA	"
	8/20/2002	11:28	36	59	97	"
	8/27/2002	9:40	45	57	34	"
	9/5/2002	10:45	45	61	29	"
	9/13/2002	12:45	42.5	58	52	"
	9/19/2002	13:20	43.1	54	32	"
	9/25/2002	7:02	36.3	51	51	"
	10/1/2002	15:51	35.4	50	48	"
	10/9/2002	9:43	40.2	49	43	"

## TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility

**Location:** Torrance, California

**System:** Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H <sub>2</sub> O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-16A	5/9/2002	19:10	10	41	13	Well Opened
	5/23/2002	16:20	NA	12.5	NA	Well Closed
	6/13/2002	8:35	NA	16	NA	"
	6/20/2002	10:17	NA	16	NA	"
	6/27/2002	12:34	NA	12	NA	"
	7/3/2002	11:00	NA	12	NA	"
	7/9/2002	14:17	NA	16	NA	"
	7/15/2002	11:48	NA	13	NA	"
	7/23/2002	9:12	NA	12	NA	"
	7/30/2002	13:35	NA	NA	NA	Piping disconnected
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	NA	NA	"
	8/20/2002	11:28	NA	NA	NA	"
	8/27/2002	9:40	NA	NA	NA	"
	9/5/2002	10:45	NA	9	NA	Well Closed
	9/13/2002	12:45	NA	8	NA	"
	9/19/2002	13:20	NA	8	NA	"
	9/25/2002	7:02	NA	NA	NA	Piping disconnected
	10/1/2002	15:51	NA	12	NA	Well Closed
	10/9/2002	9:43	NA	9	NA	"
2-VEW-16B	5/9/2002	19:10	45	30	46	Well Opened
	5/23/2002	16:20	51.5	33	* 4.7	"
	6/13/2002	8:35	54	36	* 8.0	"
	6/20/2002	10:17	50	38	* 7.0	"
	6/27/2002	12:34	50	32.5	* 8.2	"
	7/3/2002	11:00	52	32	37	"
	7/9/2002	14:17	47	37	15	"
	7/15/2002	11:48	60	28	49	"
	7/23/2002	9:12	60.5	34	29	"
	7/30/2002	13:35	NA	NA	NA	Piping disconnected
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	NA	NA	"
	8/20/2002	11:28	NA	NA	NA	"
	8/27/2002	9:40	NA	NA	NA	"
	9/5/2002	10:45	NA	12	NA	Well Closed
	9/13/2002	12:45	NA	10	NA	"
	9/19/2002	13:20	NA	12	NA	"
	9/25/2002	7:02	NA	NA	NA	Piping disconnected
	10/1/2002	15:51	NA	12	NA	Well Closed
	10/9/2002	9:43	NA	12	NA	"
2-VEW-17A	5/9/2002	19:10	15	23	2	Well Opened
	5/23/2002	16:20	NA	6	NA	Well Closed
	6/13/2002	8:35	NA	6.5	NA	"
	6/20/2002	10:17	NA	6.5	NA	"
	6/27/2002	12:34	NA	6	NA	"
	7/3/2002	11:00	NA	6	NA	"
	7/9/2002	14:17	NA	6	NA	"
	7/15/2002	11:48	NA	7	NA	"
	7/23/2002	9:12	NA	7	NA	"
	7/30/2002	13:35	NA	NA	NA	Piping disconnected
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	NA	NA	"
	8/20/2002	11:28	NA	NA	NA	"
	8/27/2002	9:40	NA	NA	NA	"
	9/5/2002	10:45	NA	4	NA	Well Closed
	9/13/2002	12:45	NA	4	NA	"
	9/19/2002	13:20	NA	3	NA	"
	9/25/2002	7:02	NA	NA	NA	Piping disconnected
	10/1/2002	15:51	NA	4	NA	Well Closed
	10/9/2002	9:43	NA	6	NA	"

## TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility

**Location:** Torrance, California

**System:** Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H <sub>2</sub> O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-17B	5/9/2002	19:10	77	42	9	Well Opened
	5/23/2002	16:20	NA	8	NA	Well Closed
	6/13/2002	8:35	NA	8.5	NA	"
	6/20/2002	10:17	NA	9	NA	"
	6/27/2002	12:34	NA	8	NA	"
	7/3/2002	11:00	NA	8	NA	"
	7/9/2002	14:17	NA	8	NA	"
	7/15/2002	11:48	NA	9	NA	"
	7/23/2002	9:12	NA	10	NA	"
	7/30/2002	13:35	NA	NA	NA	Piping disconnected
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	NA	NA	"
	8/20/2002	11:28	NA	NA	NA	"
	8/27/2002	9:40	NA	NA	NA	"
	9/5/2002	10:45	NA	vent	NA	"
	9/13/2002	12:45	NA	vent	NA	"
	9/19/2002	13:20	NA	vent	NA	"
	9/25/2002	7:02	NA	vent	NA	"
	10/1/2002	15:51	NA	vent	NA	"
	10/9/2002	9:43	NA	vent	NA	"
2-VEW-18	8/15/2002	15:30	42	49	NA	Well Opened
	8/20/2002	11:28	21	59	97	"
	8/27/2002	9:40	50.5	58	31	"
	9/5/2002	10:45	58	61	26	"
	9/13/2002	12:45	56	56	51	"
	9/19/2002	13:20	52.5	56	35	"
	9/25/2002	7:02	51	52	34	"
	10/1/2002	15:51	48.8	50	32	"
	10/9/2002	9:43	54.5	501	39	"
2-VEW-19	8/15/2002	15:30	42	49	NA	Well Opened
	8/20/2002	11:28	71	59	82	"
	8/27/2002	9:40	77	58	24	"
	9/5/2002	10:45	85	62	32	"
	9/13/2002	12:45	82.5	58	38.3	"
	9/19/2002	13:20	80.5	56	11.6	"
	9/25/2002	7:02	72.5	52	46.6	"
	10/1/2002	15:51	73	50	28.7	"
	10/9/2002	9:43	77.5	50	26.3	"
2-VEW-20	8/15/2002	15:30	65	50	NA	Well Opened
	8/20/2002	11:28	74	60	33	"
	8/27/2002	9:40	75	58	11	"
	9/5/2002	10:45	81	61	9	"
	9/13/2002	12:45	76	58	3.2	"
	9/19/2002	13:20	NA	12	NA	Well Closed
	9/25/2002	7:02	NA	14	NA	"
	10/1/2002	15:51	NA	13	NA	"
	10/9/2002	9:43	NA	13	NA	"
2-VEW-21	9/25/2002	7:02	61.5	50	6.8	Well Opened
	10/1/2002	15:51	61	51	3	"
	10/9/2002	9:43	70.5	50	5.6	"

**Notes:**

ppmv: parts per million by volume

scfm: standard cubic foot per minute (acfmin corrected for vacuum and temperature)

NA: data was not recorded or available

(1) Direct flow readings taken by hand-held TSI Veloci-calc Plus

(2) Measurements taken with a MiniRae 2000 PID calibrated to 100 ppmv Hexane, results as Hexane.

\* Measurements taken with Foxboro OVA-128 calibrated to Hexane. Results as Hexane.

**TABLE 7 - REGRESSION BASED ON UNDILUTED CONCENTRATIONS**

Site Name: BRC Former C-6 Facility  
 Location: Los Angeles, California  
 System: Building 2 SVE system

Initial Date      Cn = 3800      Initial Concentration

Date	Days	Co	Co/Cn	ln(Co/Cn)	t (days)	K	t <sub>90%</sub>	t <sub>99%</sub>	Projected 90% Concentration Reduction	Projected 99% Concentration Reduction
12/13/2001	1	3800	1.00	0.00	0					
1/3/2002	21	930	0.24	-1.41	-21	0.067	34.4	68.7	1/16/2002	2/19/2002
1/18/2002	36	770	0.20	-1.60	-36	0.044	51.9	103.8	2/2/2002	3/26/2002
2/6/2002	55	835	0.22	-1.52	-55	0.028	83.6	167.1	3/6/2002	5/29/2002
2/21/2002	70	800	0.21	-1.56	-70	0.022	103.5	206.9	3/26/2002	7/7/2002
2/27/2002	76	715	0.19	-1.67	-76	0.022	104.8	209.5	3/27/2002	7/10/2002
3/6/2002	83	605	0.16	-1.84	-83	0.022	104.0	208.0	3/27/2002	7/9/2002
3/29/2002	106	274	0.07	-2.63	-106	0.025	92.8	185.6	3/15/2002	6/16/2002
4/4/2002	112	276	0.07	-2.62	-112	0.023	98.4	196.7	3/21/2002	6/27/2002
4/17/2002	125	270	0.07	-2.64	-125	0.021	108.9	217.7	3/31/2002	7/18/2002
5/3/2002	141	178	0.05	-3.06	-141	0.022	106.1	212.1	3/29/2002	7/13/2002
6/4/2002	173	170	0.04	-3.11	-173	0.018	128.2	256.4	4/20/2002	8/26/2002
7/3/2002	202	62	0.02	-4.12	-202	0.020	113.0	226.0	4/5/2002	7/27/2002
8/7/2002	237	41	0.01	-4.52	-237	0.019	120.6	241.2	4/12/2002	8/11/2002
9/5/2002	266	28	0.01	-4.91	-266	0.018	124.8	249.6	4/16/2002	8/19/2002
10/1/2002	292	34	0.01	-4.72	-292	0.016	142.5	284.9	5/4/2002	9/23/2002

Estimated	90% Reduction April 2002	99% Reduction July-Aug 2002
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**TABLE 8 - BUILDING 2 SVE SYSTEM EXTENDED PILOT TEST SOIL SAMPLING RESULTS**

Site Name: BRC Former C-6 Facility  
 Location: Los Angeles, California  
 System: Building 2 SVE system

PRE-SVE SOIL BORING	SAMPLE DEPTH (FEET BGS)	PRE-SVE TCE CONCENTRATION (ug/kg)	AUGUST 2002 SOIL BORING	SAMPLE DEPTH (FEET BGS)	AUGUST 2002 TCE CONCENTRATION (ug/kg)	LOCATION OF AUGUST 2002 SAMPLE IN RELATION TO PRE-SVE SAMPLE	APPROXIMATE CONCENTRATION REDUCTION (%)*
C-2-143	25	160	SB1000_SSA080102_0001	25	<2.0	5 feet west	98.75
C-2-26-1	25	160	2_VEW_19_SSC080102_0001	25	<2.0	35 feet west	98.75
C-2-26-2	25	37	2_VEW_18_SSC080102_0001	25	<2.0	25 feet west	94.59
S-24-3	40	220	SB1001_SSB080102_0001	40	380	20 feet northeast	**
C-2-143	50	450	SB1000_SSC080102_0001	50	3.6 J	5 feet west	99.20
C-2-26-1	50	200	2_VEW_19_SSC080102_0001	50	<2.0	35 feet west	99.00
C-2-26-2	50	130	2_VEW_18_SSC080102_0001	50	<2.0	25 feet west	98.46
S-24-3	50	450	SB1001_SSC080102_0001	50	7	20 feet north	98.44
S-24-5	50	82,000	SB1001_SSC080102_0002	50	<2.0	10 feet southeast	100.00

PRE-SVE SOIL BORING	SAMPLE DEPTH (FEET BGS)	PRE-SVE TCE CONCENTRATION (ug/kg)	SEPTEMBER 2002 SOIL BORING	SAMPLE DEPTH (FEET BGS)	SEPTEMBER 2002 TCE CONCENTRATION	LOCATION OF SEPTEMBER 2002 SAMPLE IN RELATION TO PRE-SVE SAMPLE	APPROXIMATE CONCENTRATION REDUCTION (%)*
C-2-26	25	400	SB1003_SSA092302_0001	25	<2.0	same	99.50
C-2-26-1	25	160	SB1002_SSA092302_0001	25	<2.0	10 feet northwest	98.75
C-2-26	30	140	SB1003_SSA092302_0001	30	<2.0	same	98.57
S-24-3	30	ND	SB1004_SSA092302_0001	30	<2.0	10 feet northwest	NA
C-2-26	40	290	SB1003_SSA092302_0001	40	<2.0	same	99.31
C-2-26-1	40	ND	SB1002_SSA092302_0001	40	<2.0	10 feet northwest	NA
S-24-3	40	220	SB1004_SSA092302_0001	40	<2.0	10 feet northwest	99.09
C-2-26	50	240	SB1003_SSA092302_0001	40	27	same	88.75
C-2-26-1	50	200	SB1002_SSA092302_0001	40	110	10 feet northwest	45.00
S-24-3	50	450	SB1004_SSA092302_0001	40	<2.0	10 feet northwest	99.56

**Notes:**

J = Result is below laboratory reporting limit, result estimated.

<2.0 = Not detected above method detection limit of 2.0 ug/kg

NA = Not applicable

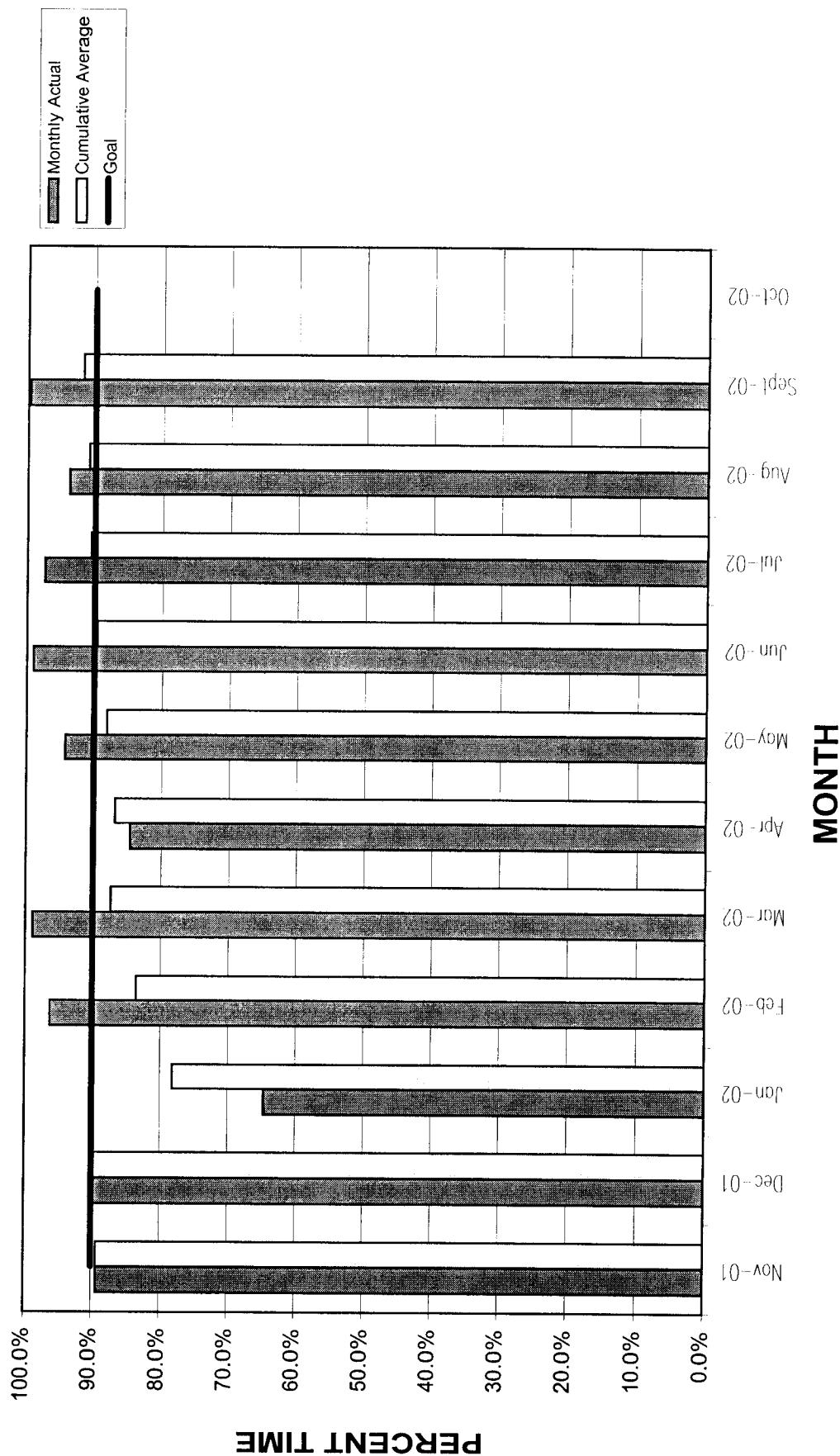
BGS = Below ground surface

ug/kg = Micrograms per kilogram

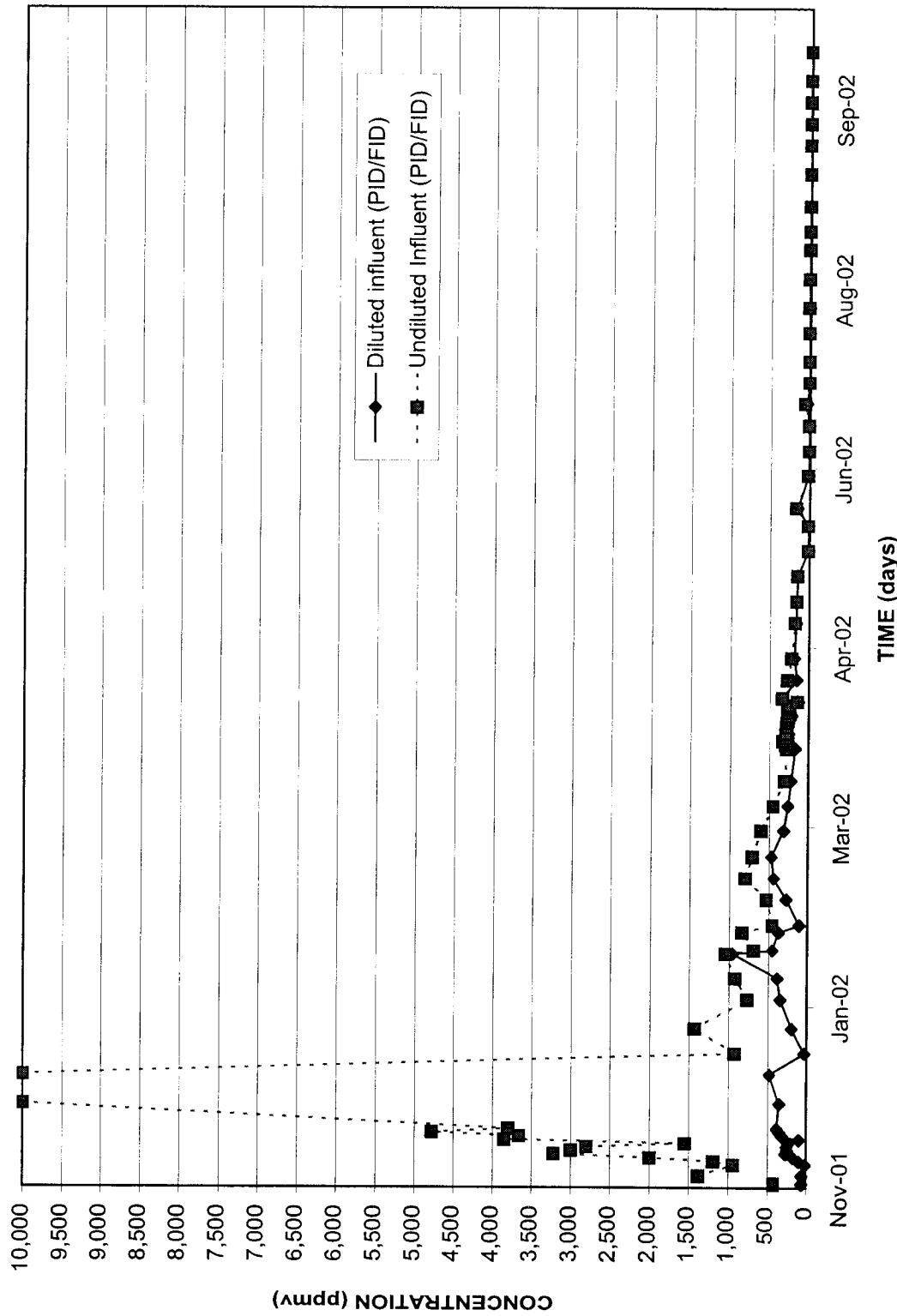
\* = To calculate % reduction for samples below method detection limit, the concentration is assumed to be the method detection limit (2.0 ug/kg)

\*\* = August 2002 TCE sample result (SB1001) greater than previous sample (S-24-3) collected 20 feet to the southwest

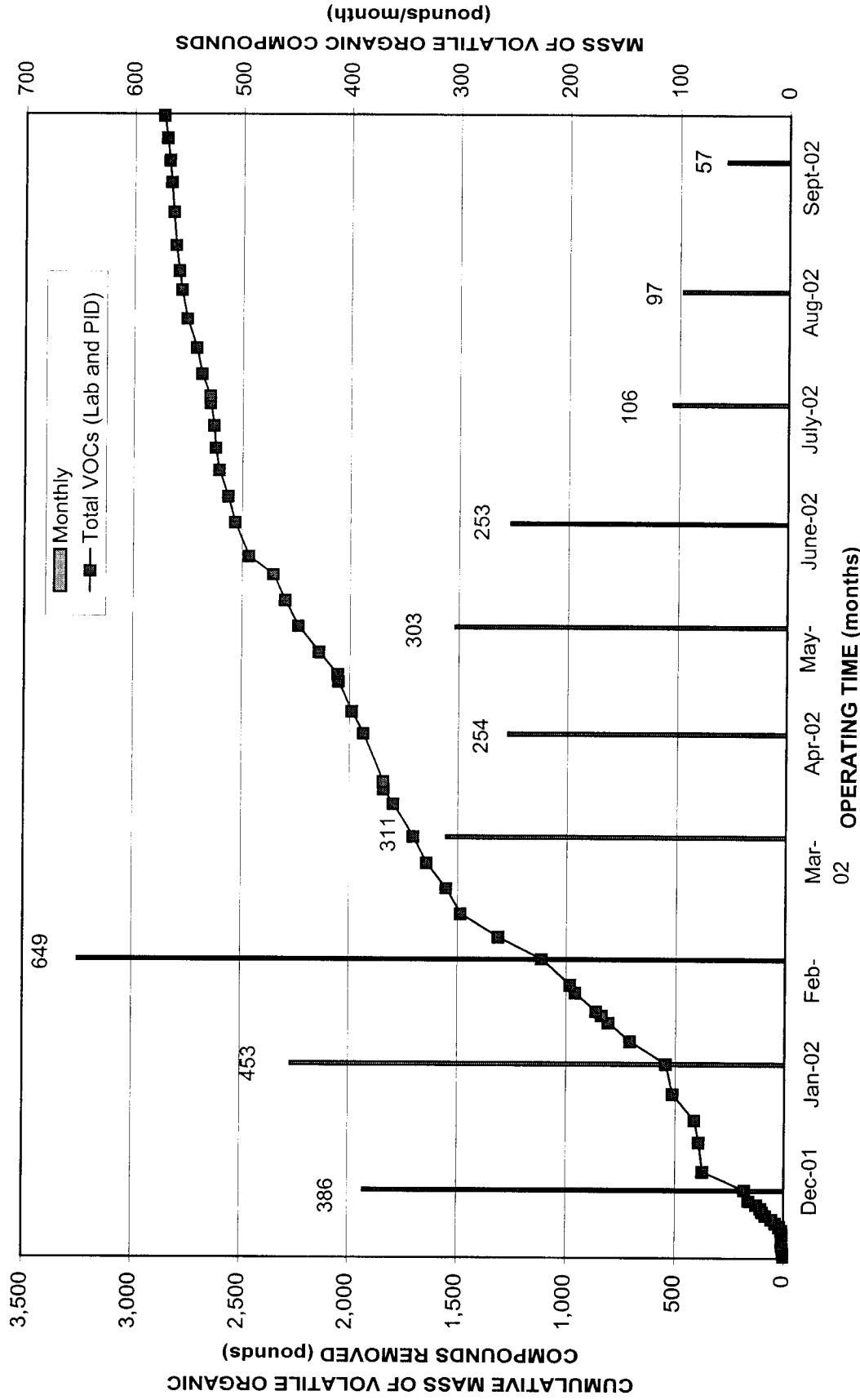
**GRAPH 4**  
**BUILDING 2 MONTHLY PERCENT OPERATION**



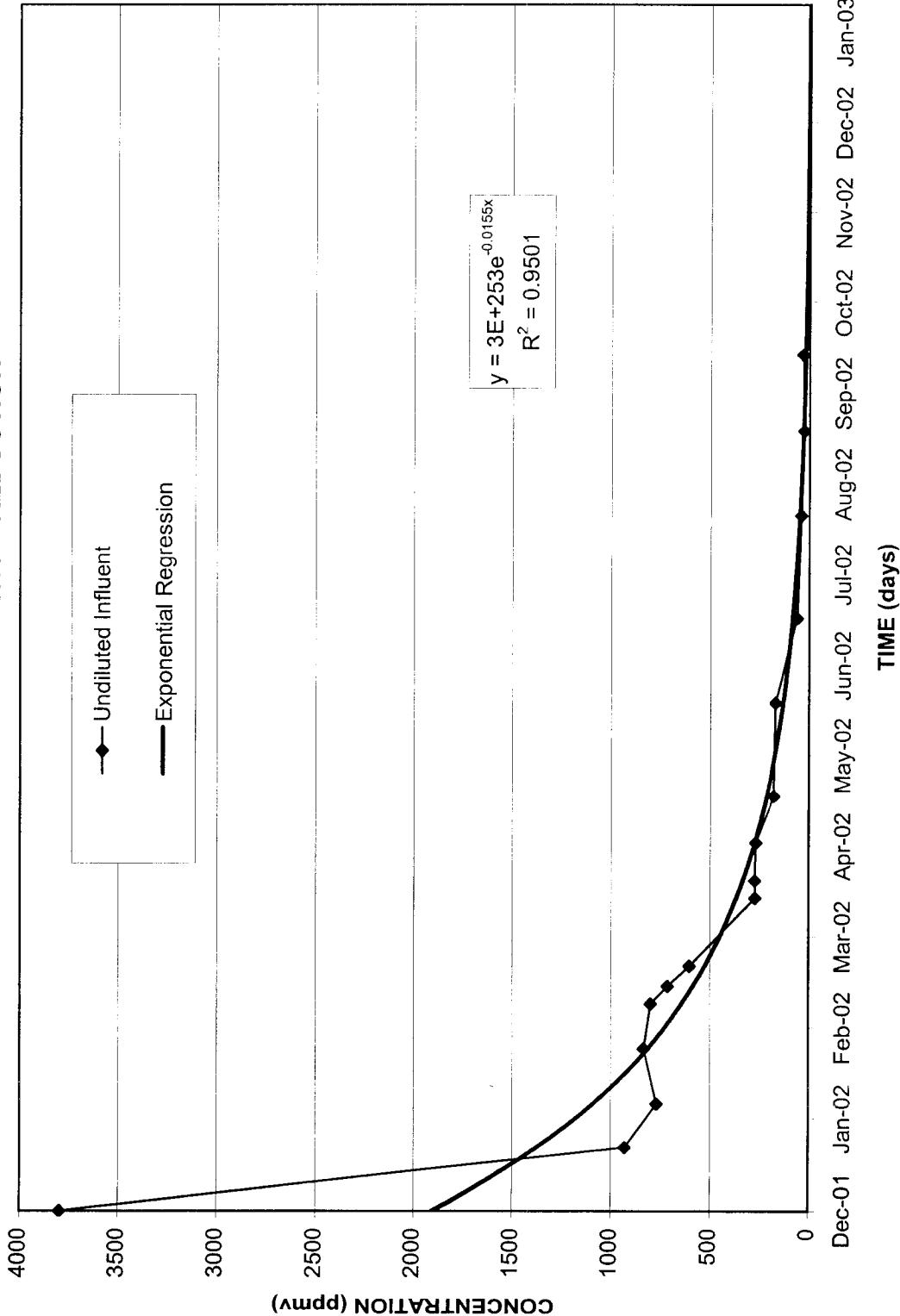
**GRAPH 5**  
**BUILDING 2 SVE SYSTEM TOTAL VOC INFLUENT CONCENTRATIONS**



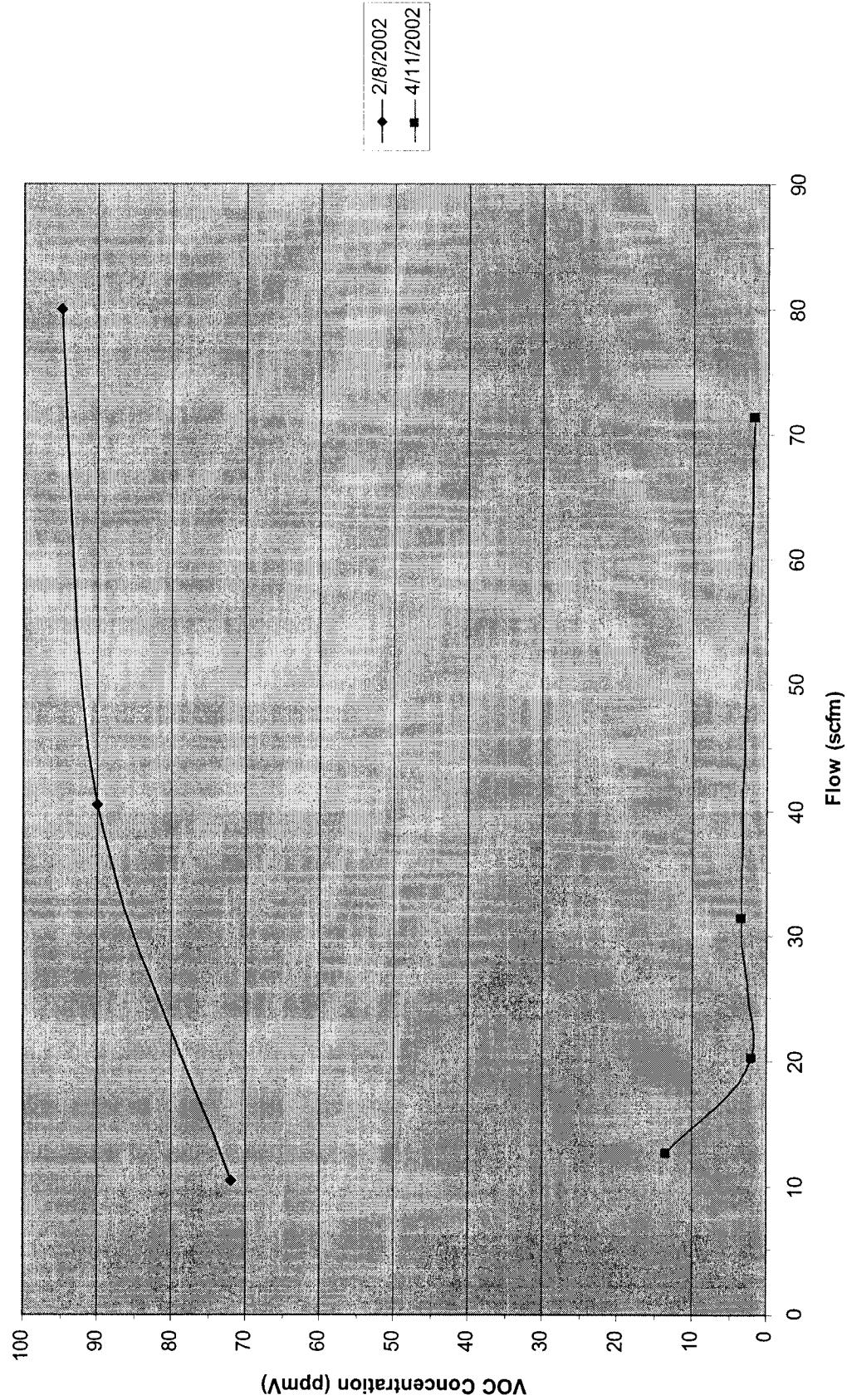
**GRAPH 6**  
**BUILDING 2 CUMULATIVE VOLATILE ORGANIC COMPOUND MASS REMOVED**



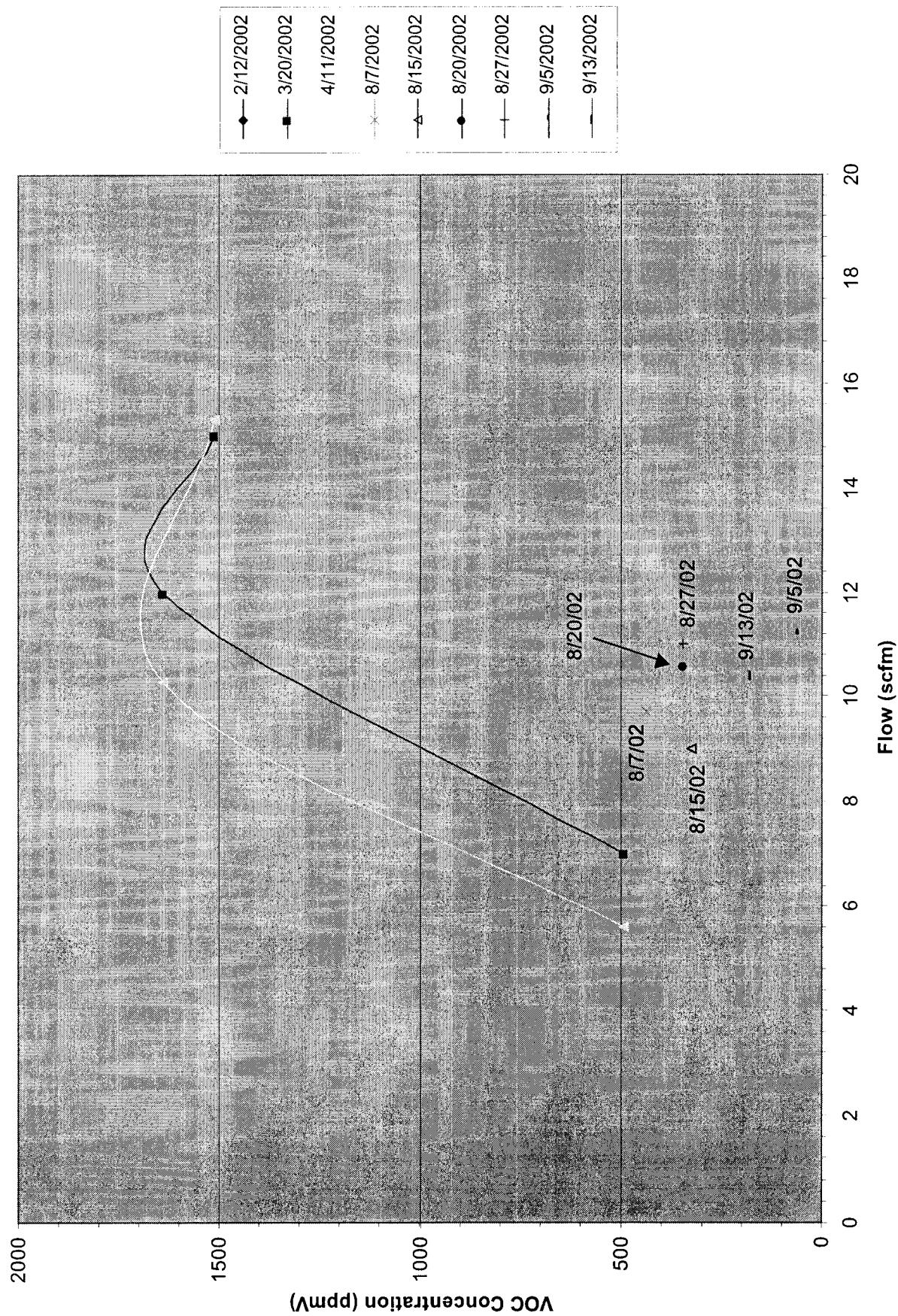
**GRAPH 7**  
**BUILDING 2 SVE SYSTEM REGRESSION ANALYSIS**  
**CONCENTRATION REDUCTION**



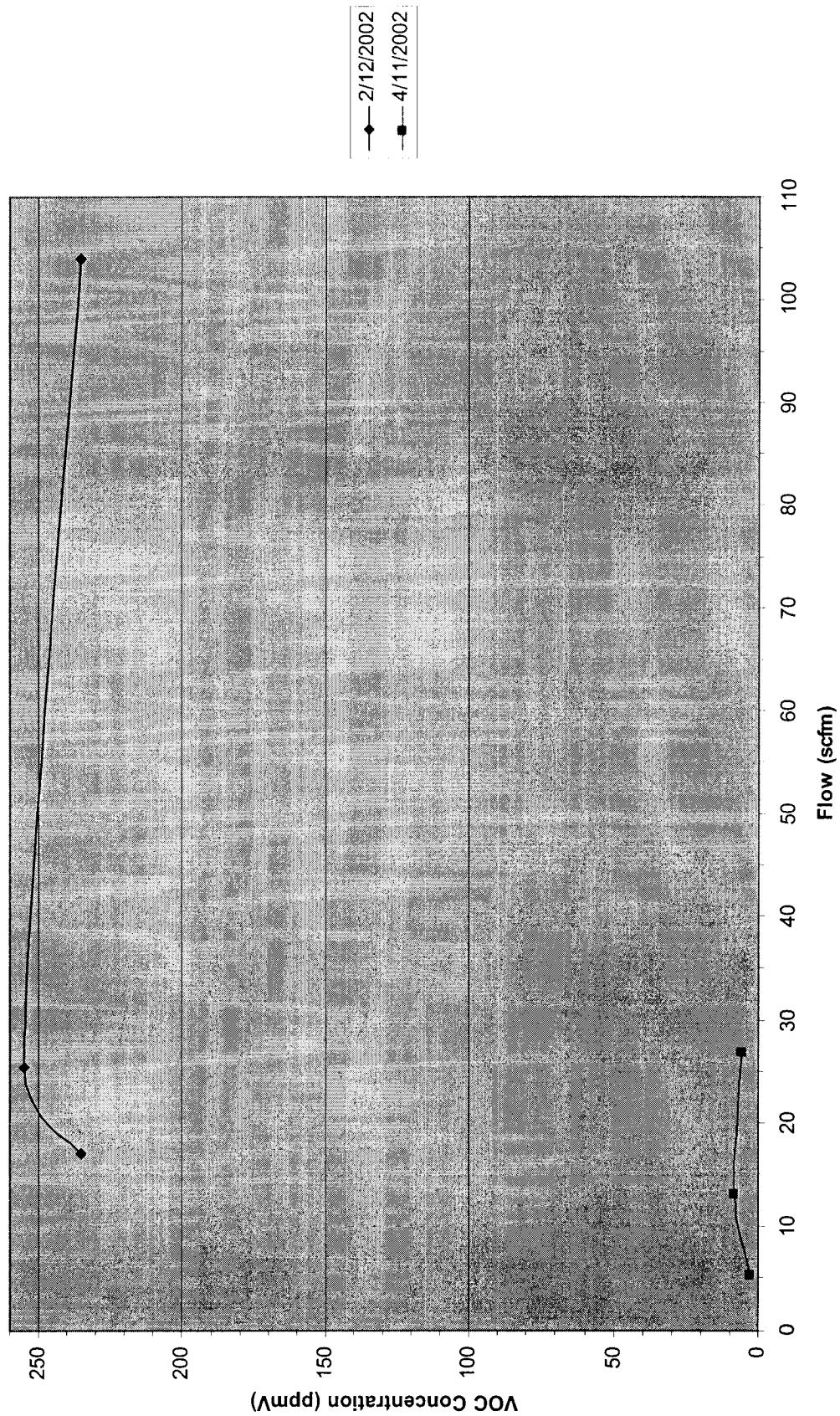
2-VIEW-1A



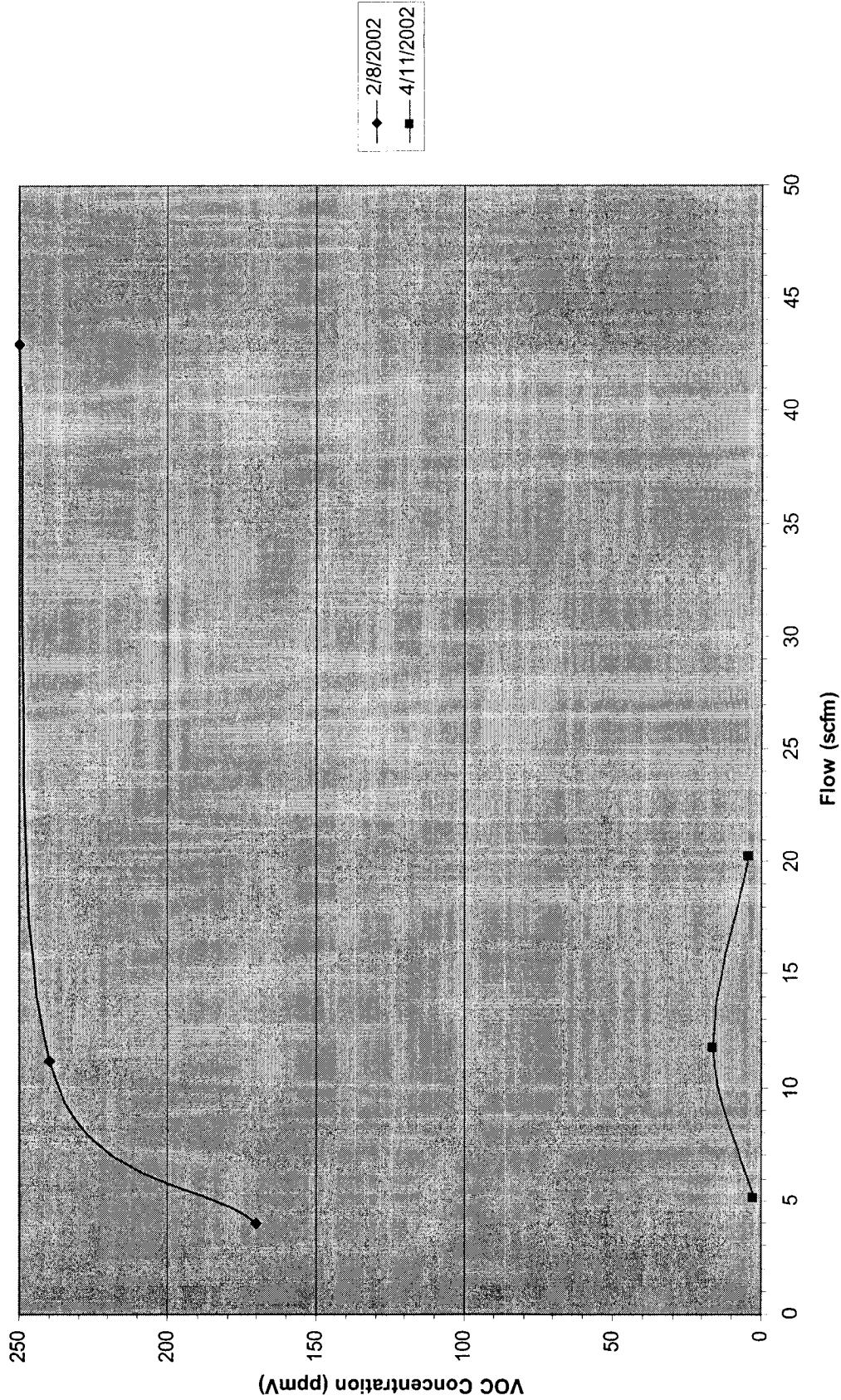
**2-VIEW-1B**



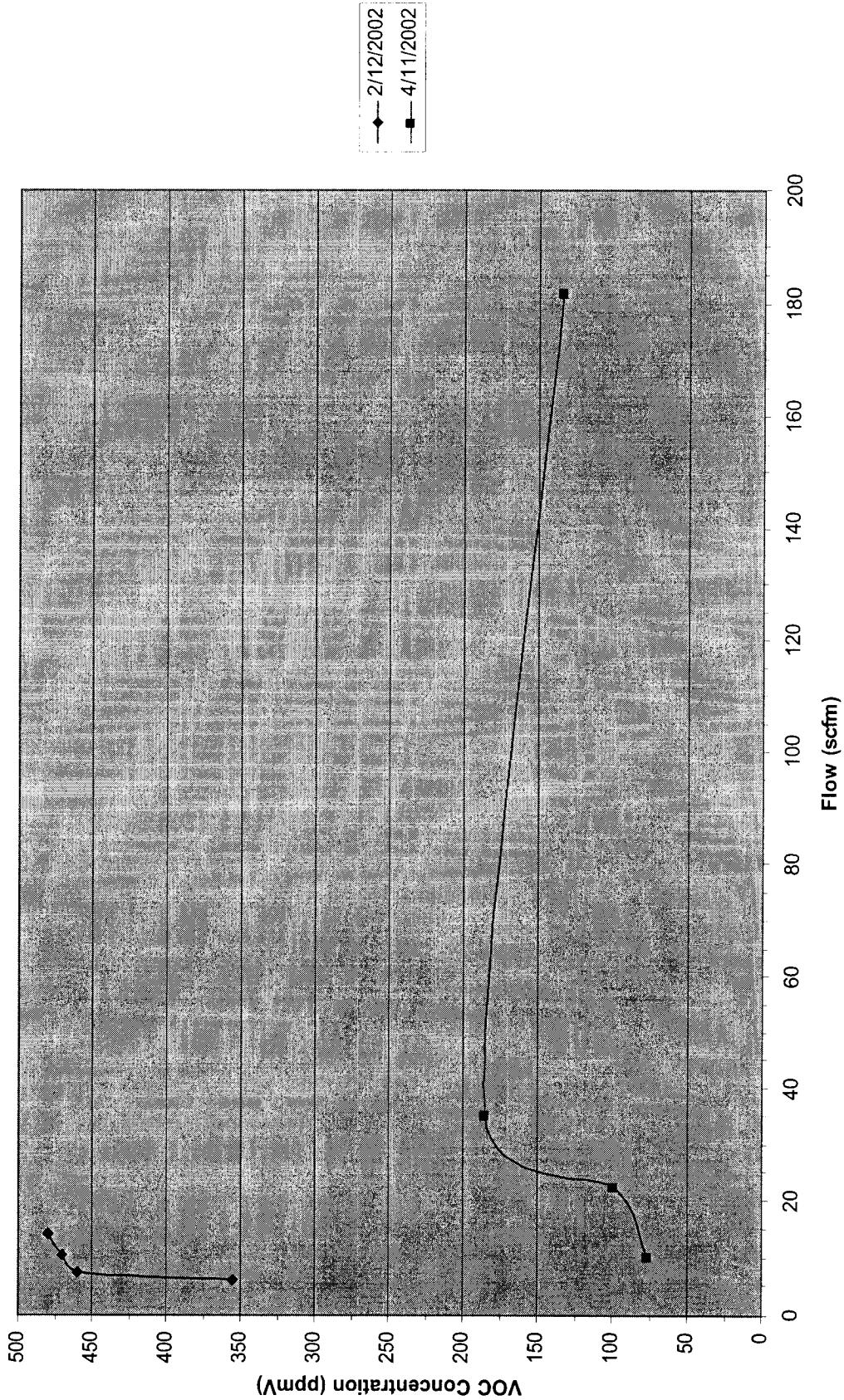
**2-VIEW-2**



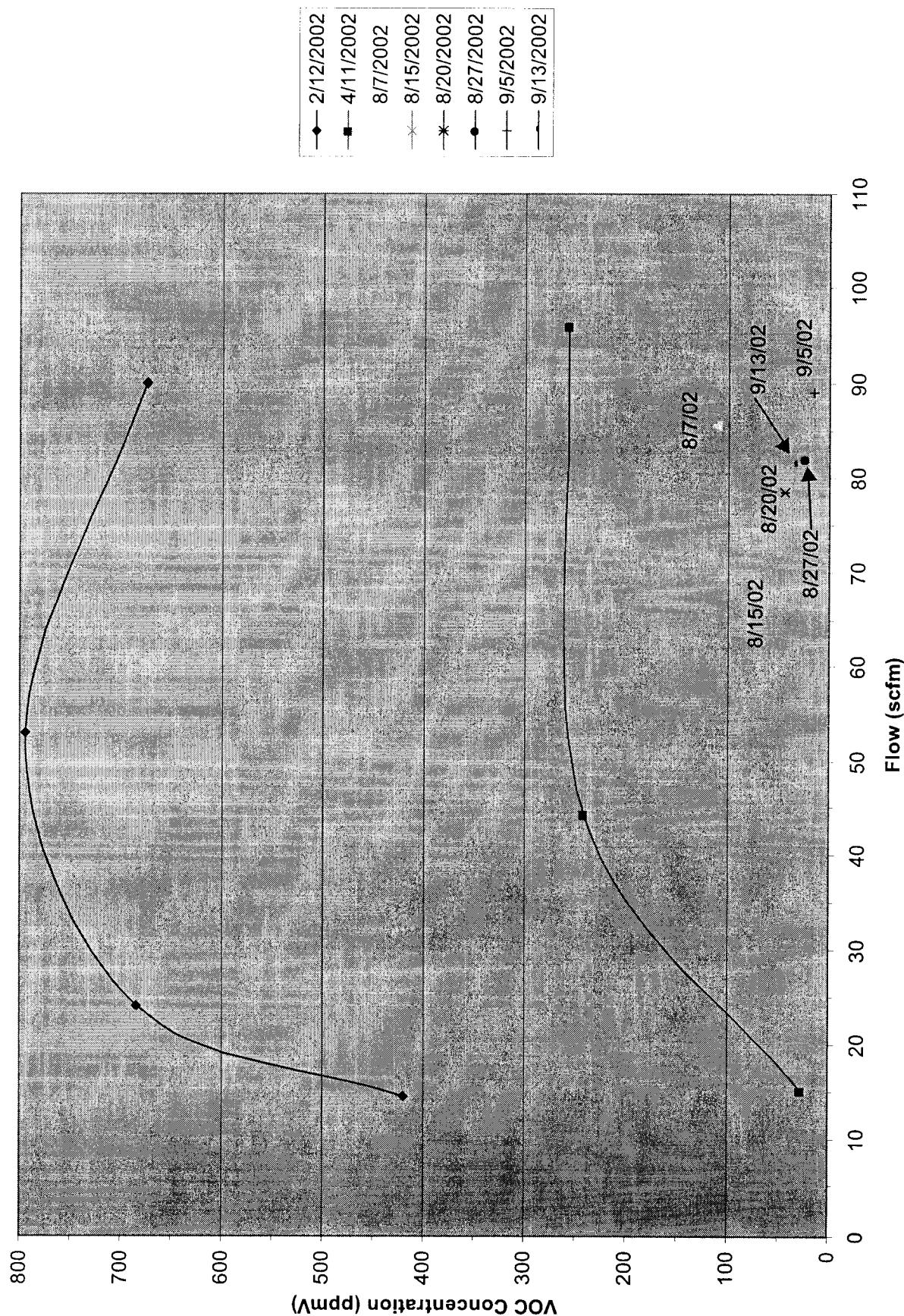
**2-VIEW-3A**



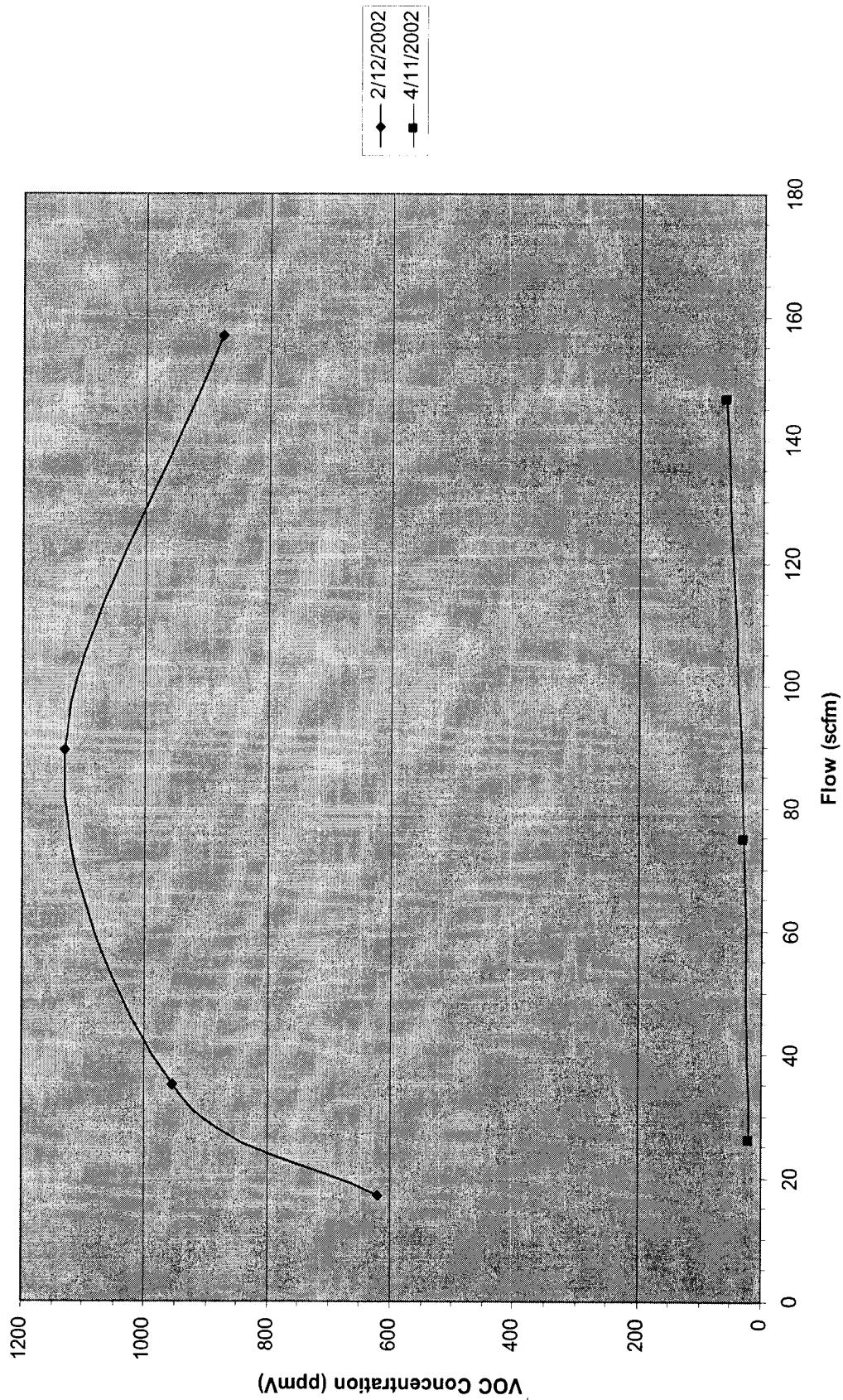
**2-VIEW-3B**



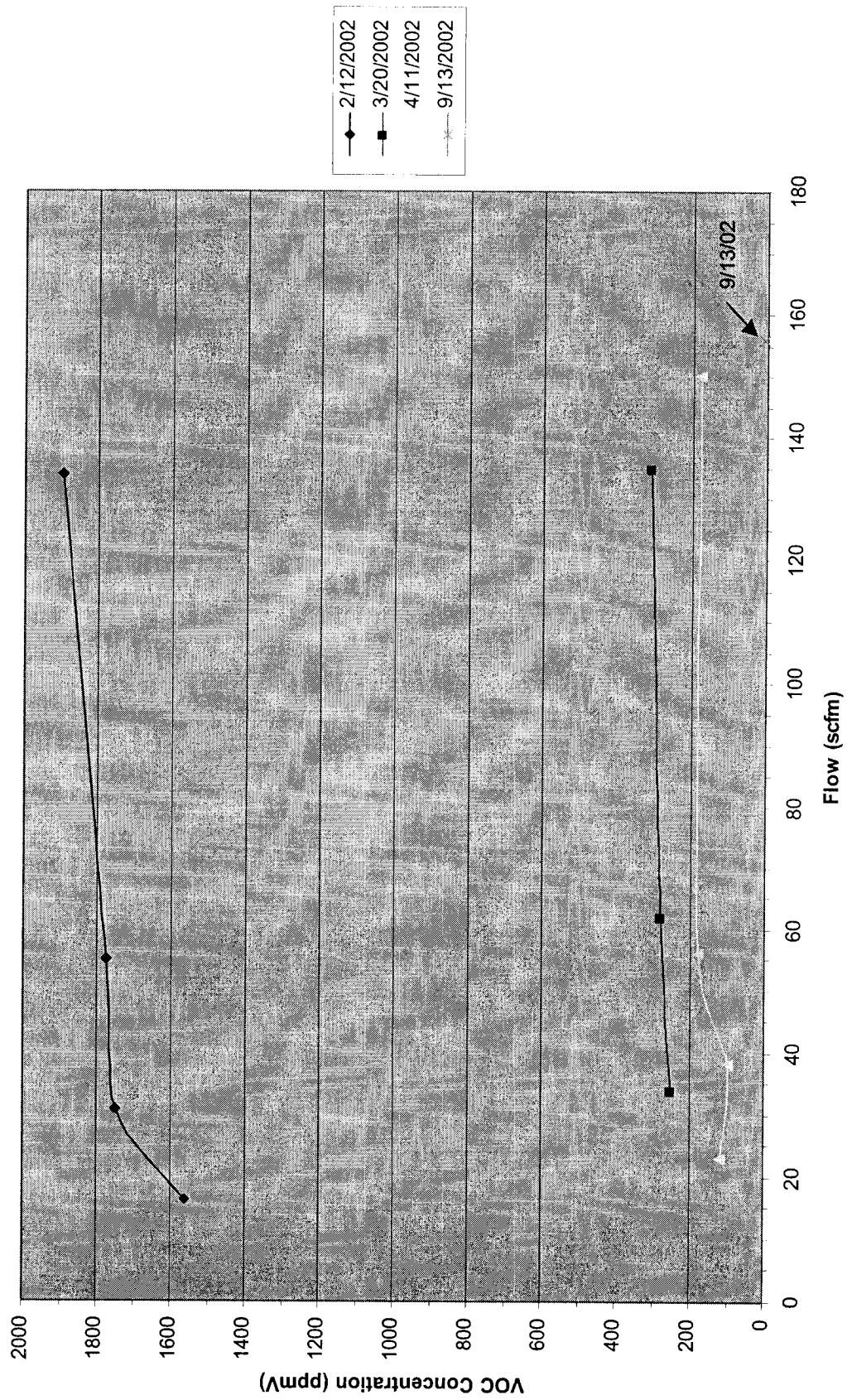
2-VIEW-4



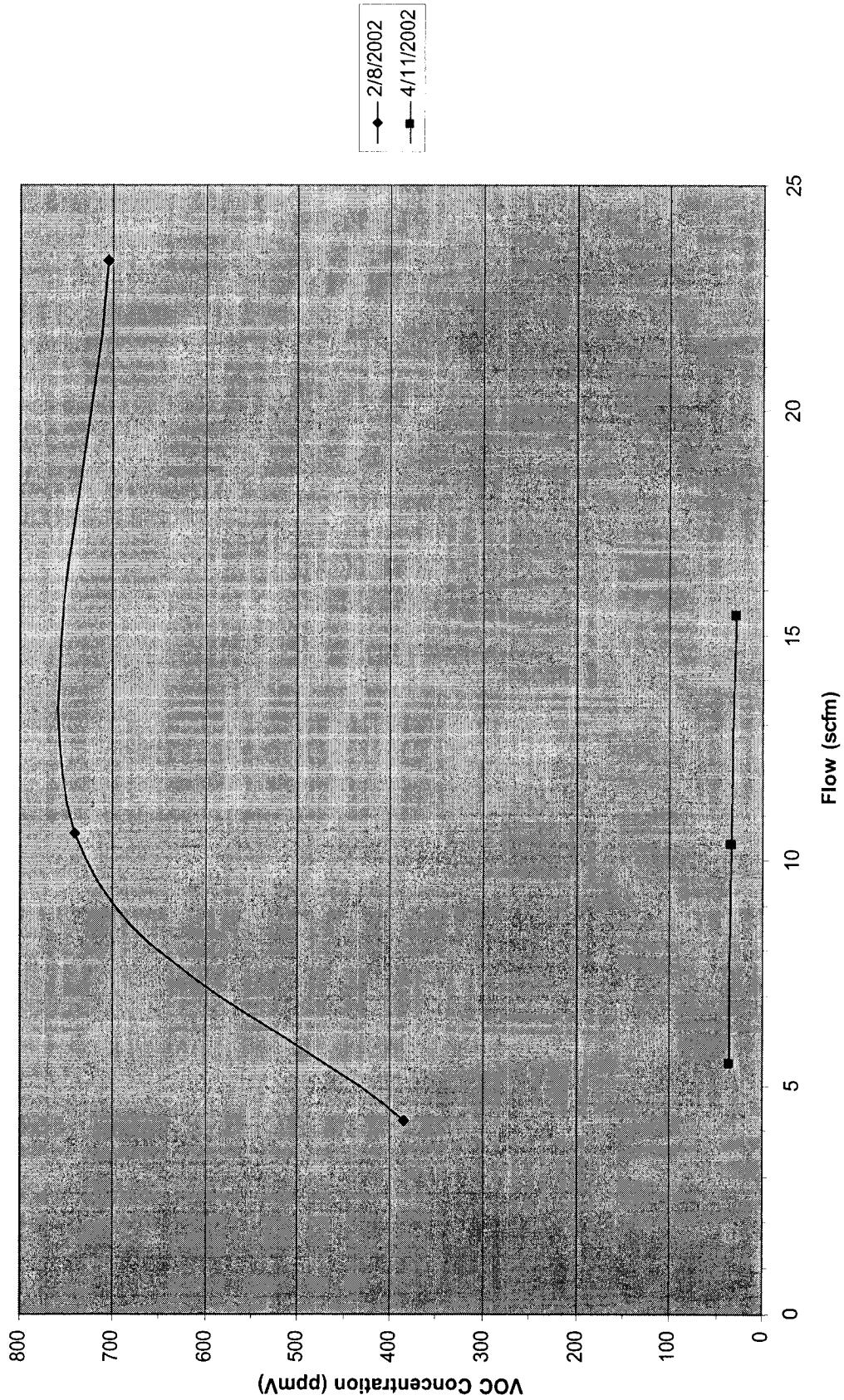
**2-VIEW-5**



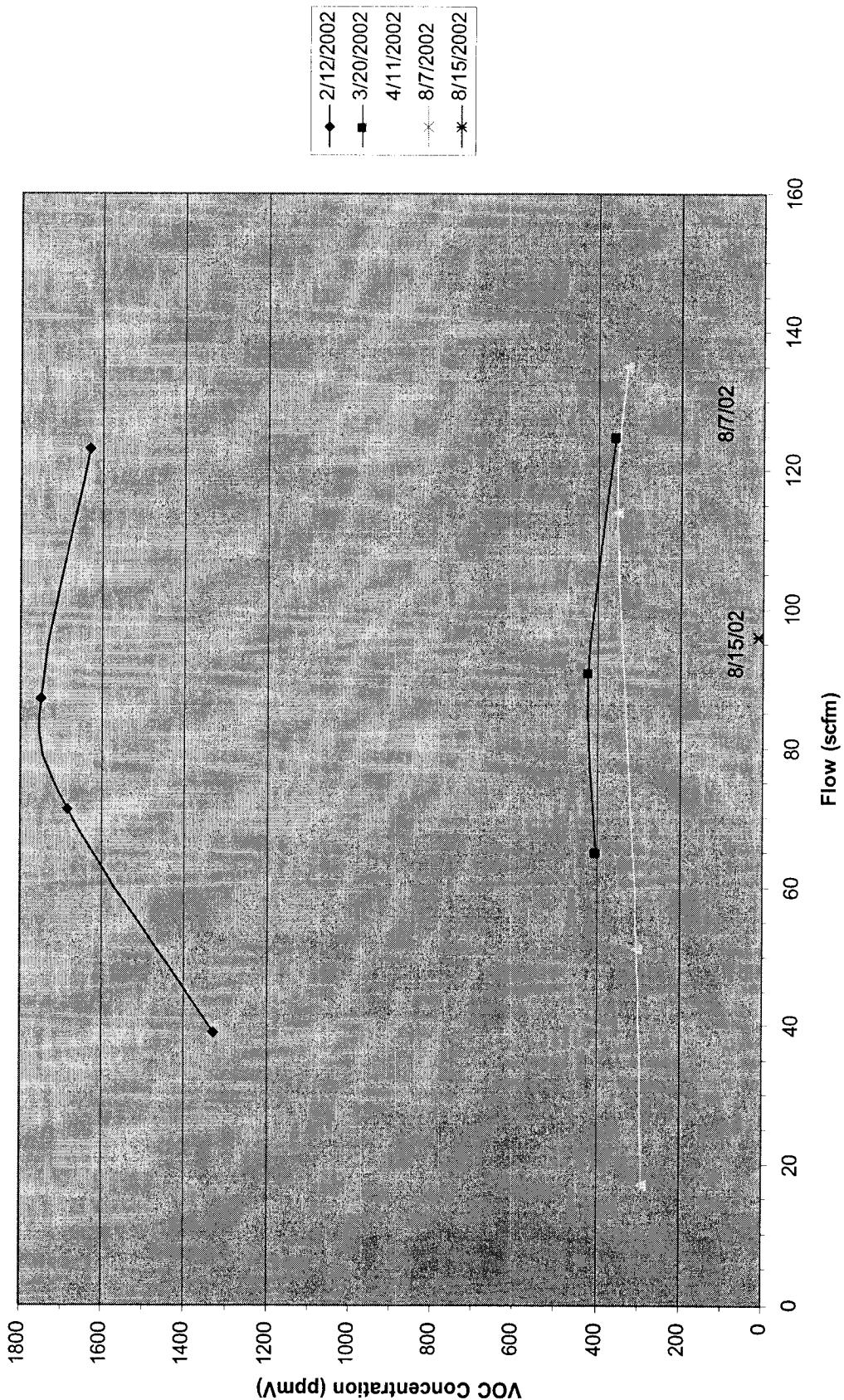
**2-VIEW-6**



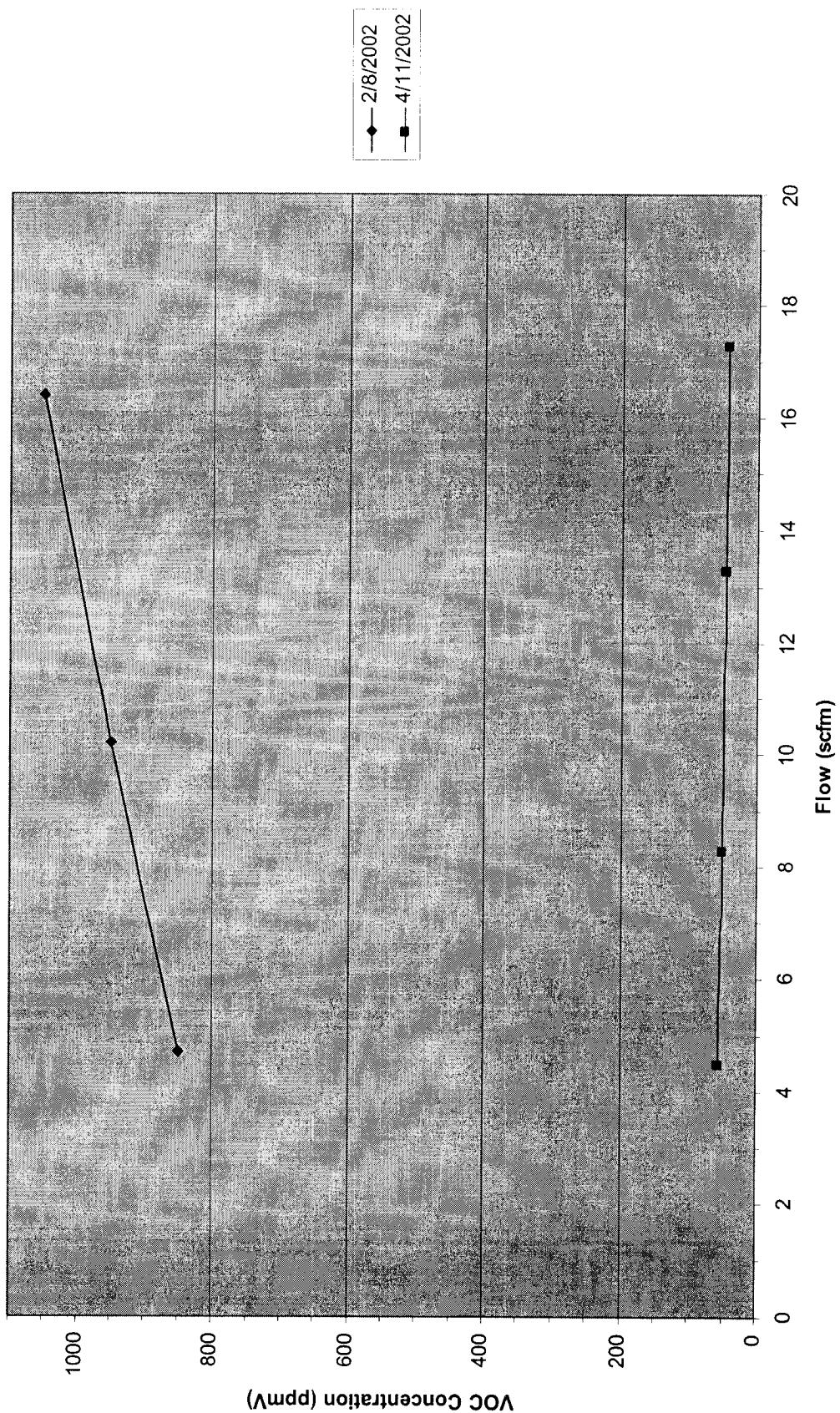
2-VIEW-7A



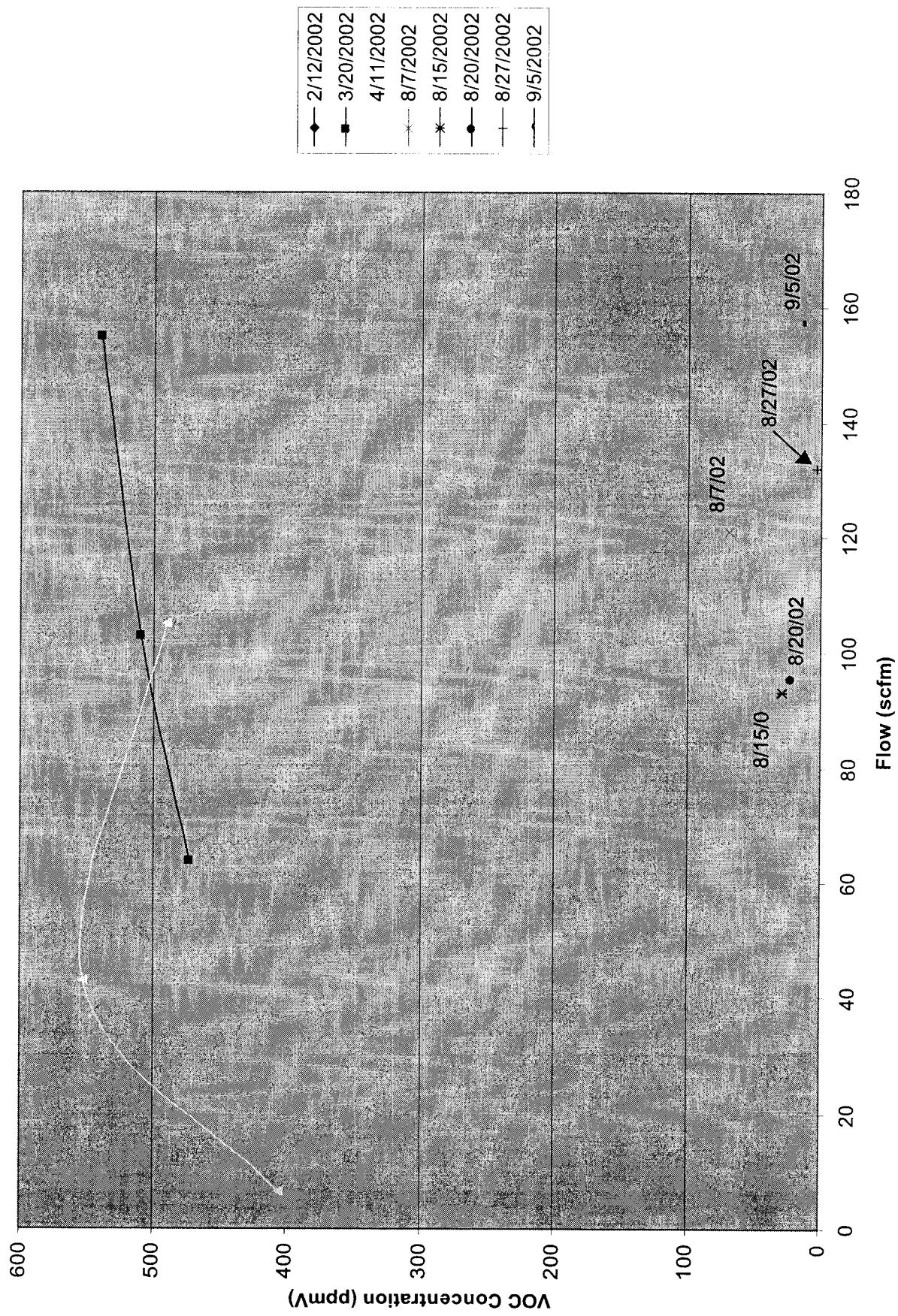
**2-VIEW-7B**



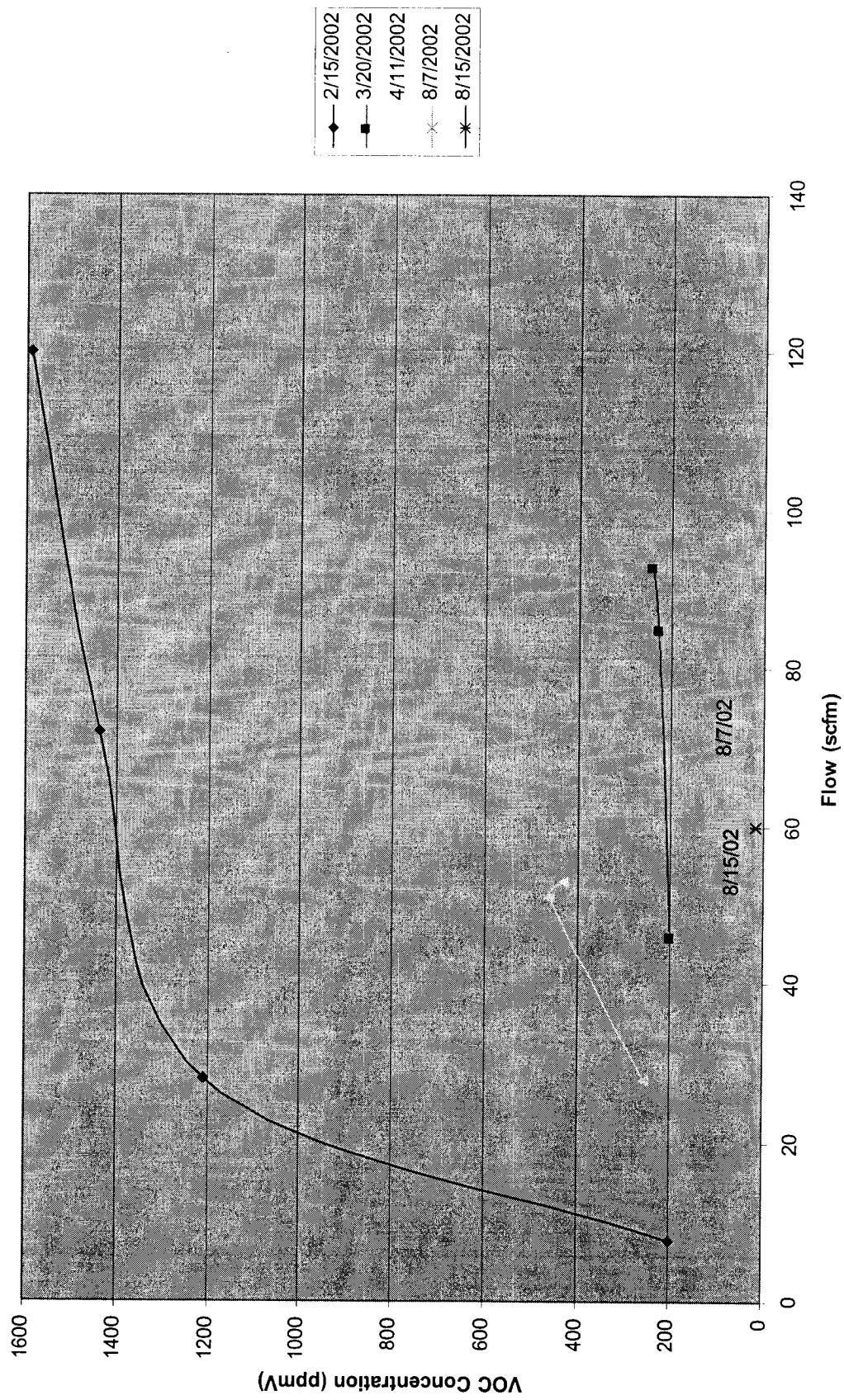
**2-VEW-8A**



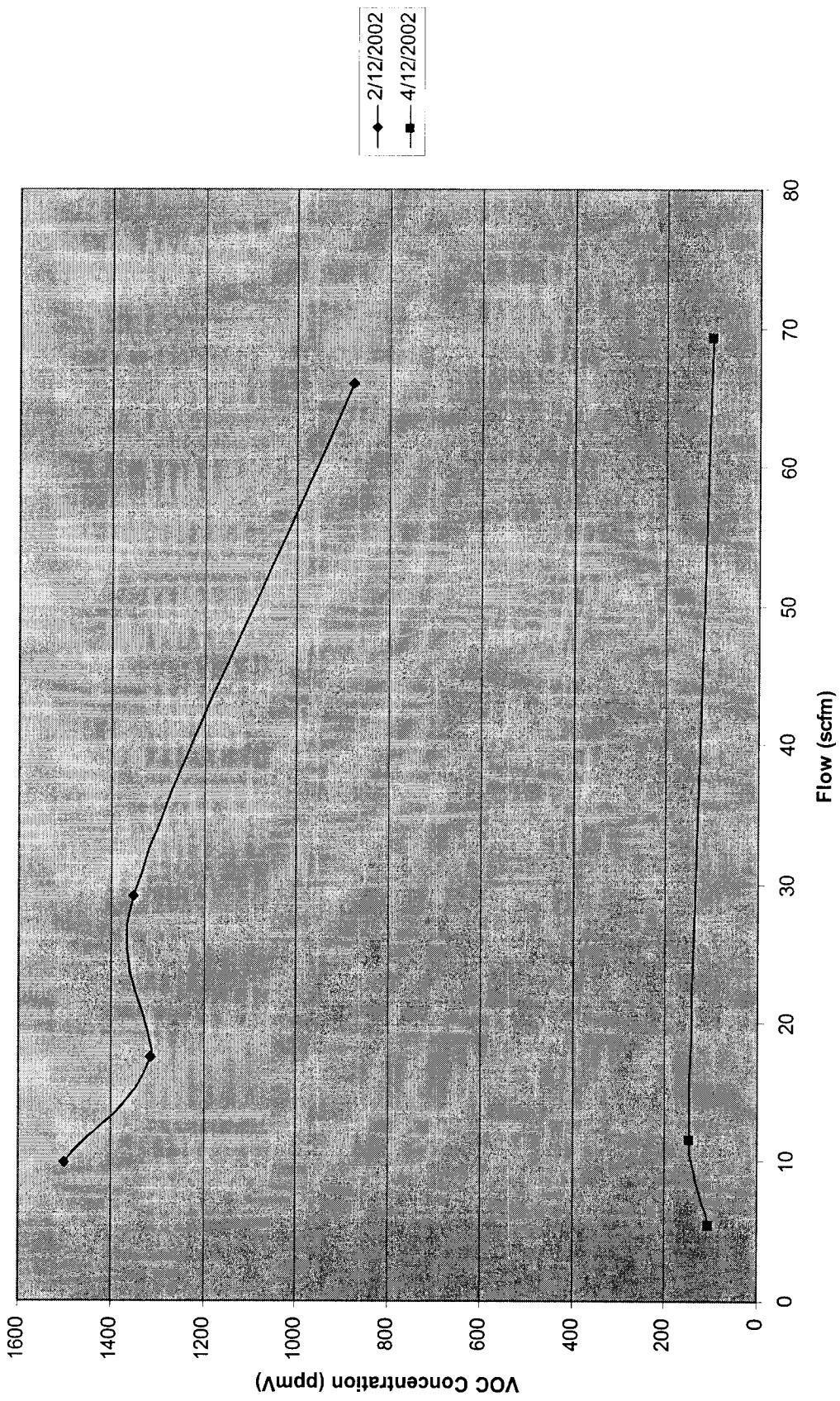
2-VIEW-8B



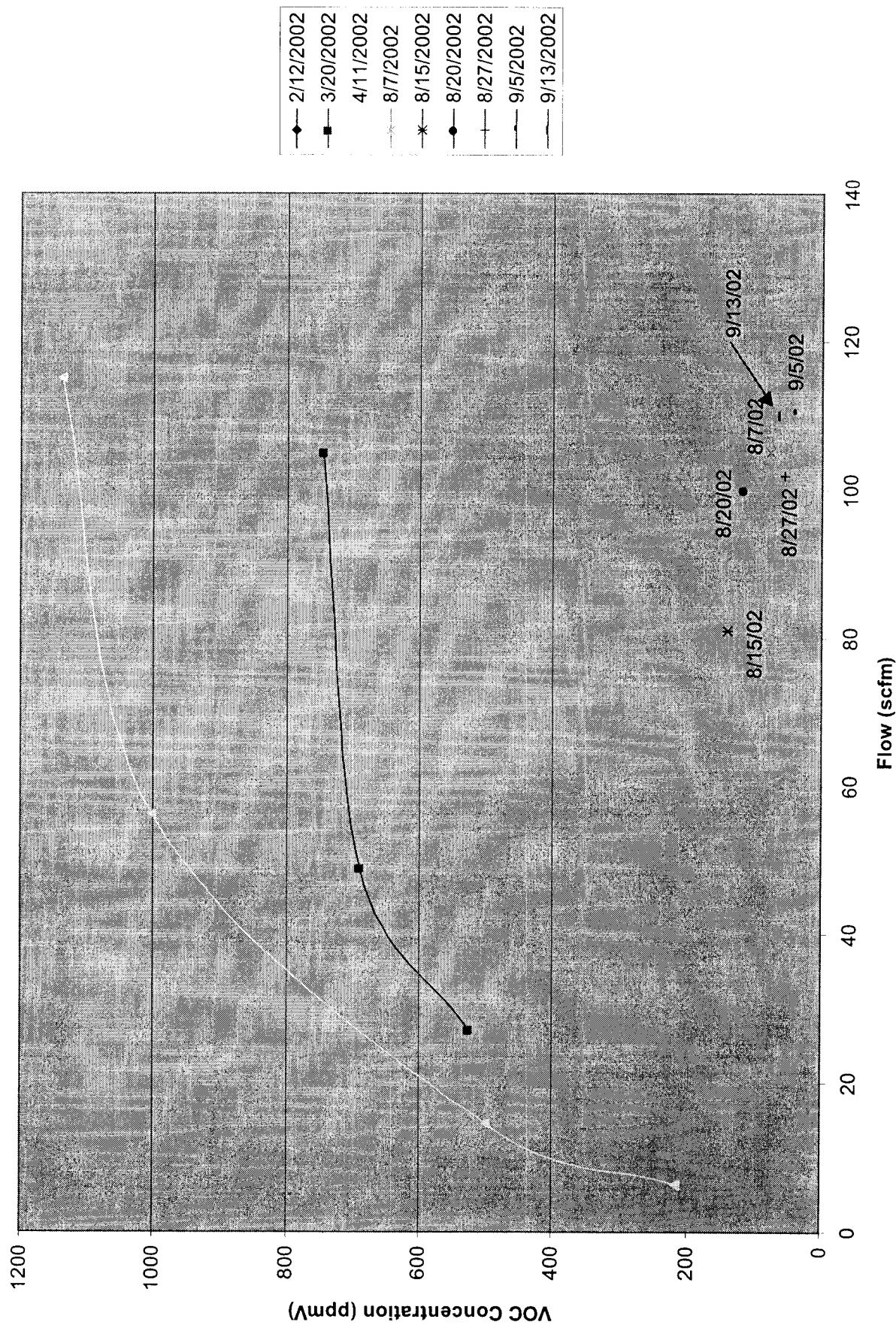
**2-VIEW-9**



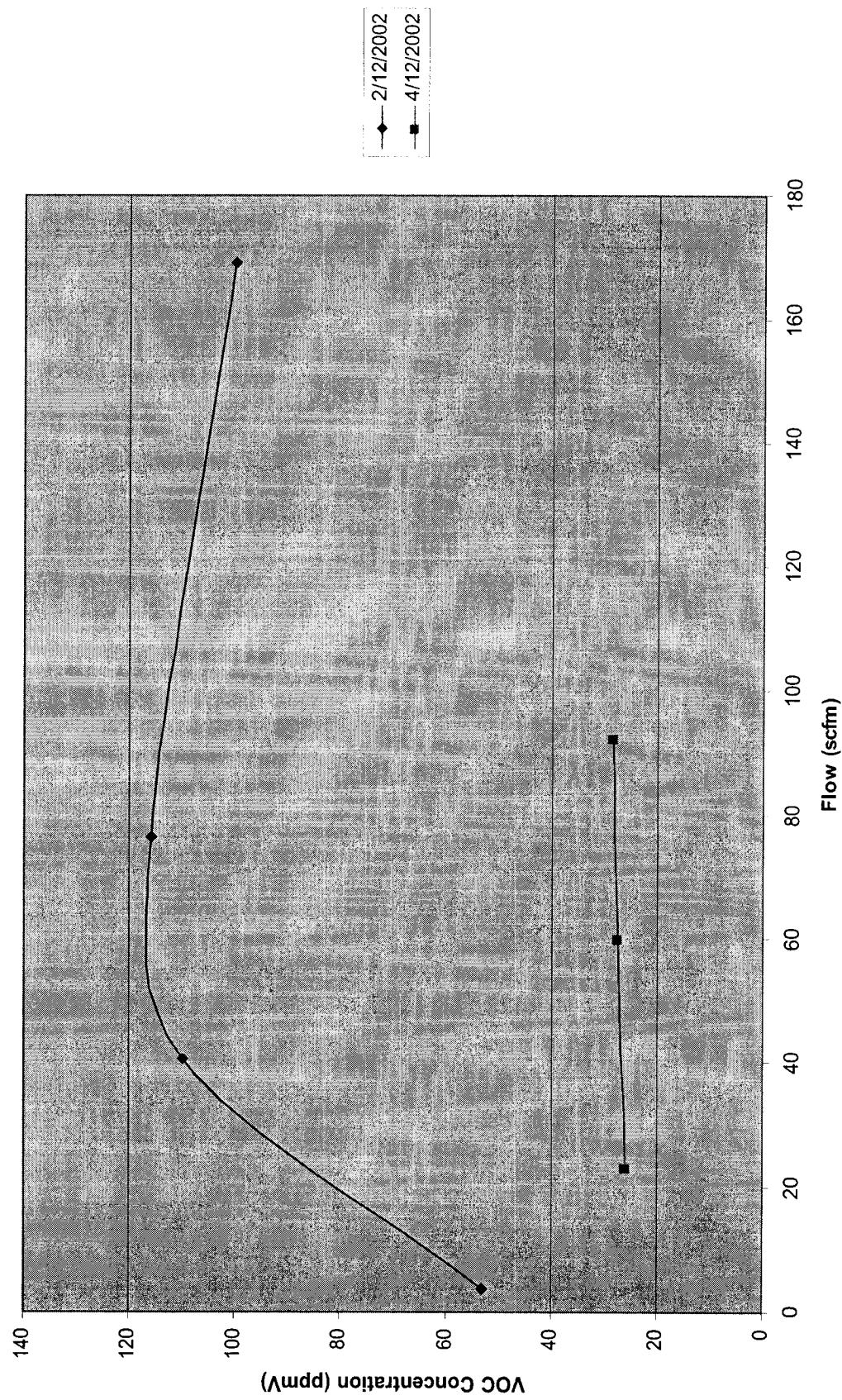
**2-VIEW-10A**



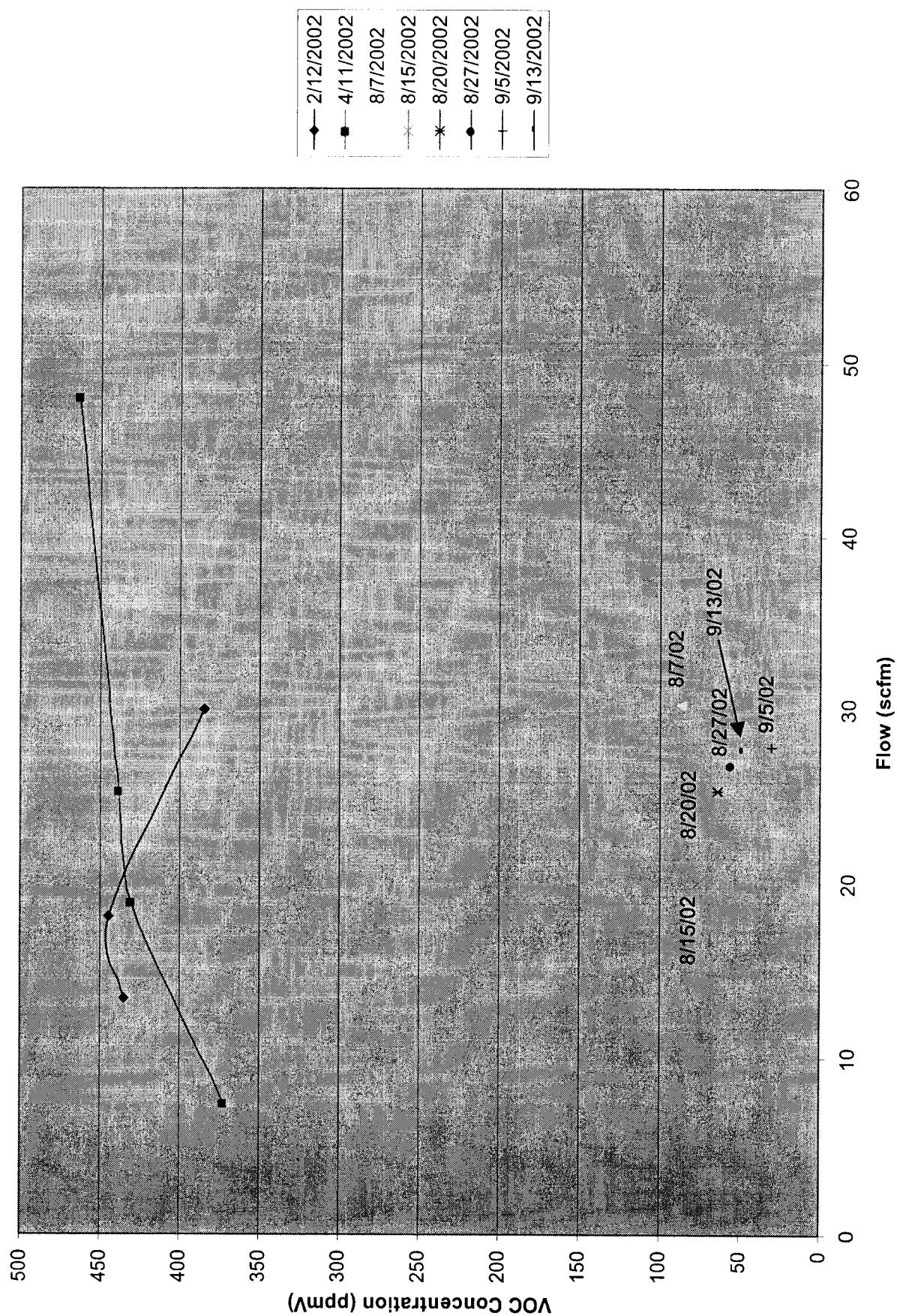
2-VIEW-10B



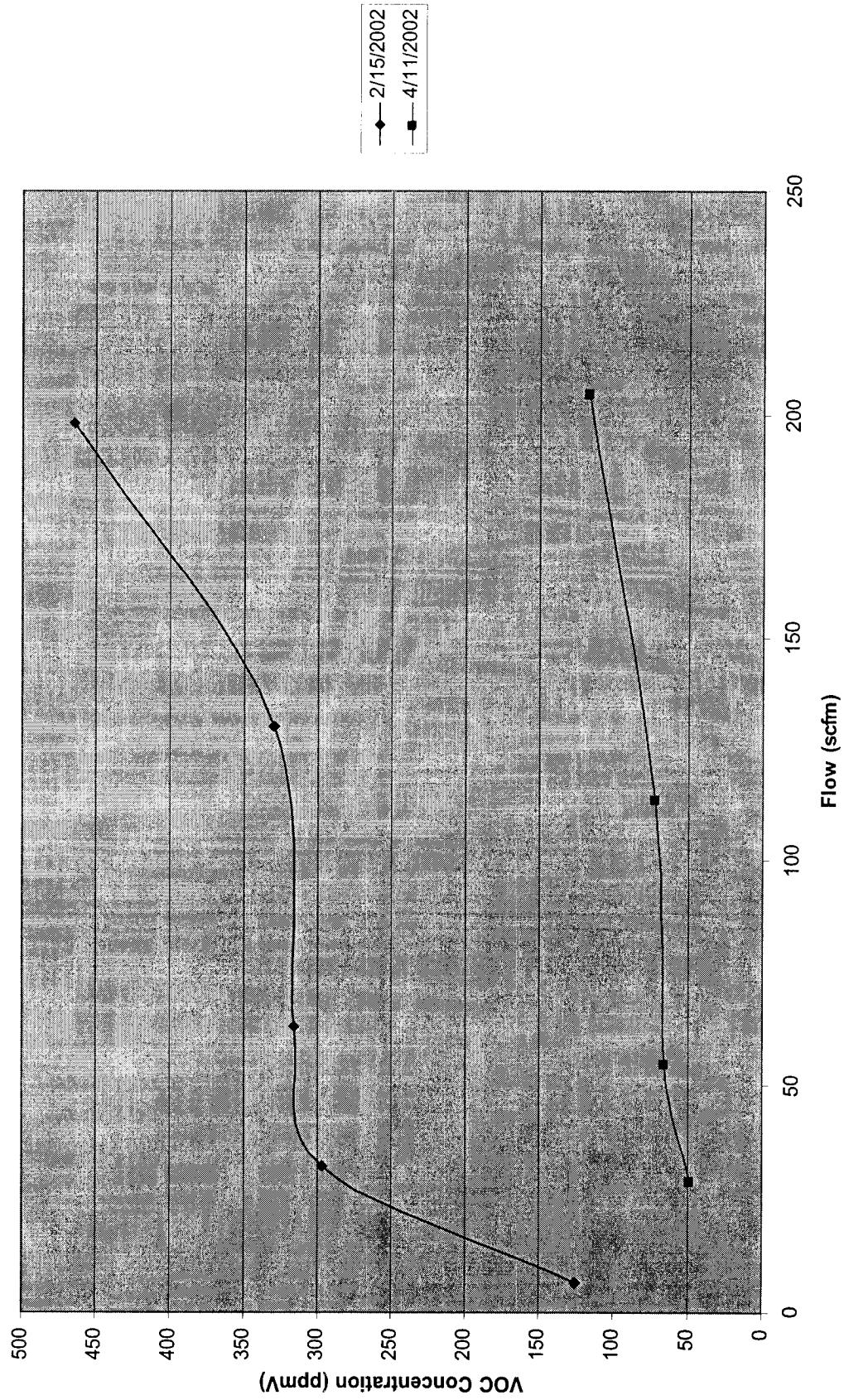
2-VIEW-11A



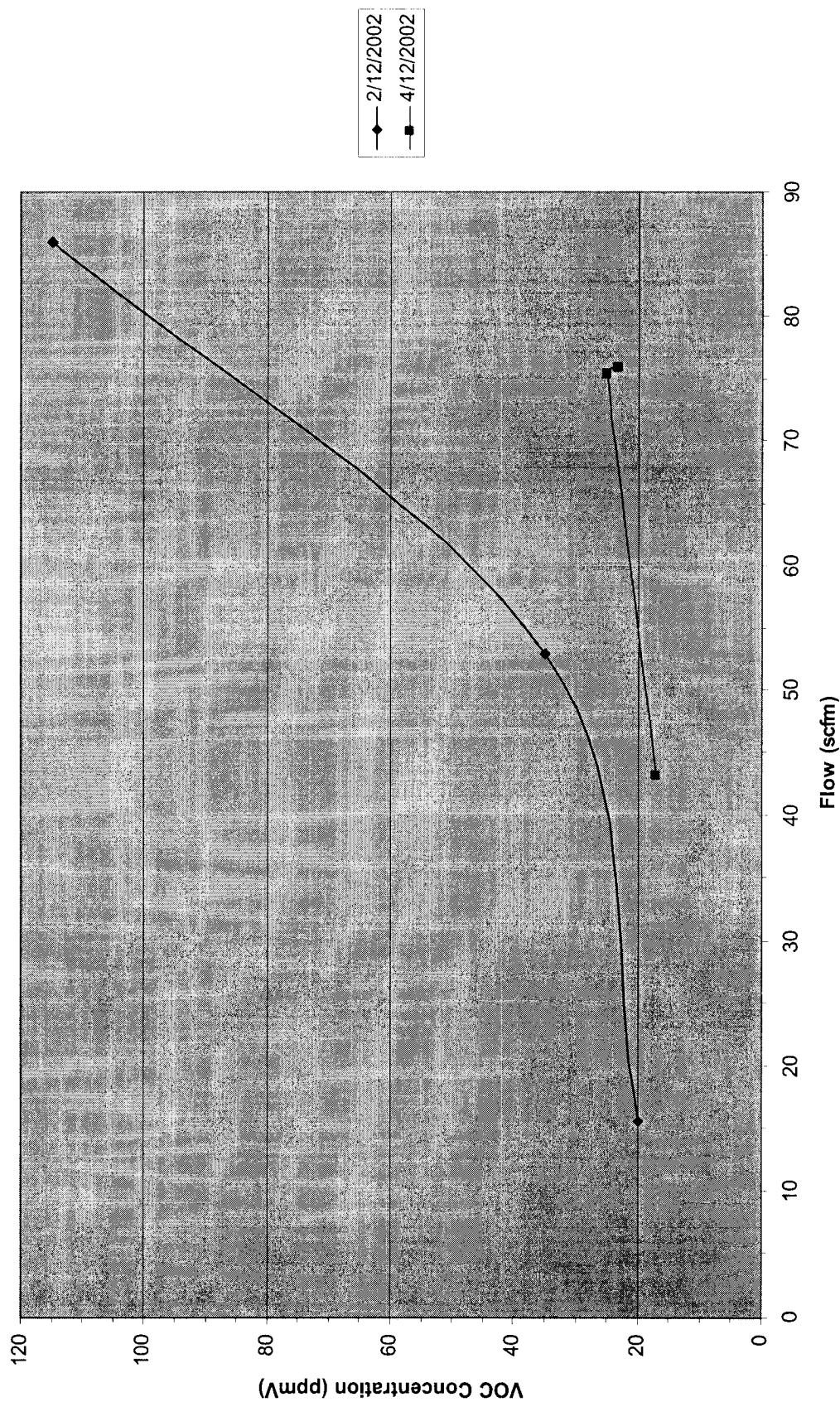
2-VIEW-11B



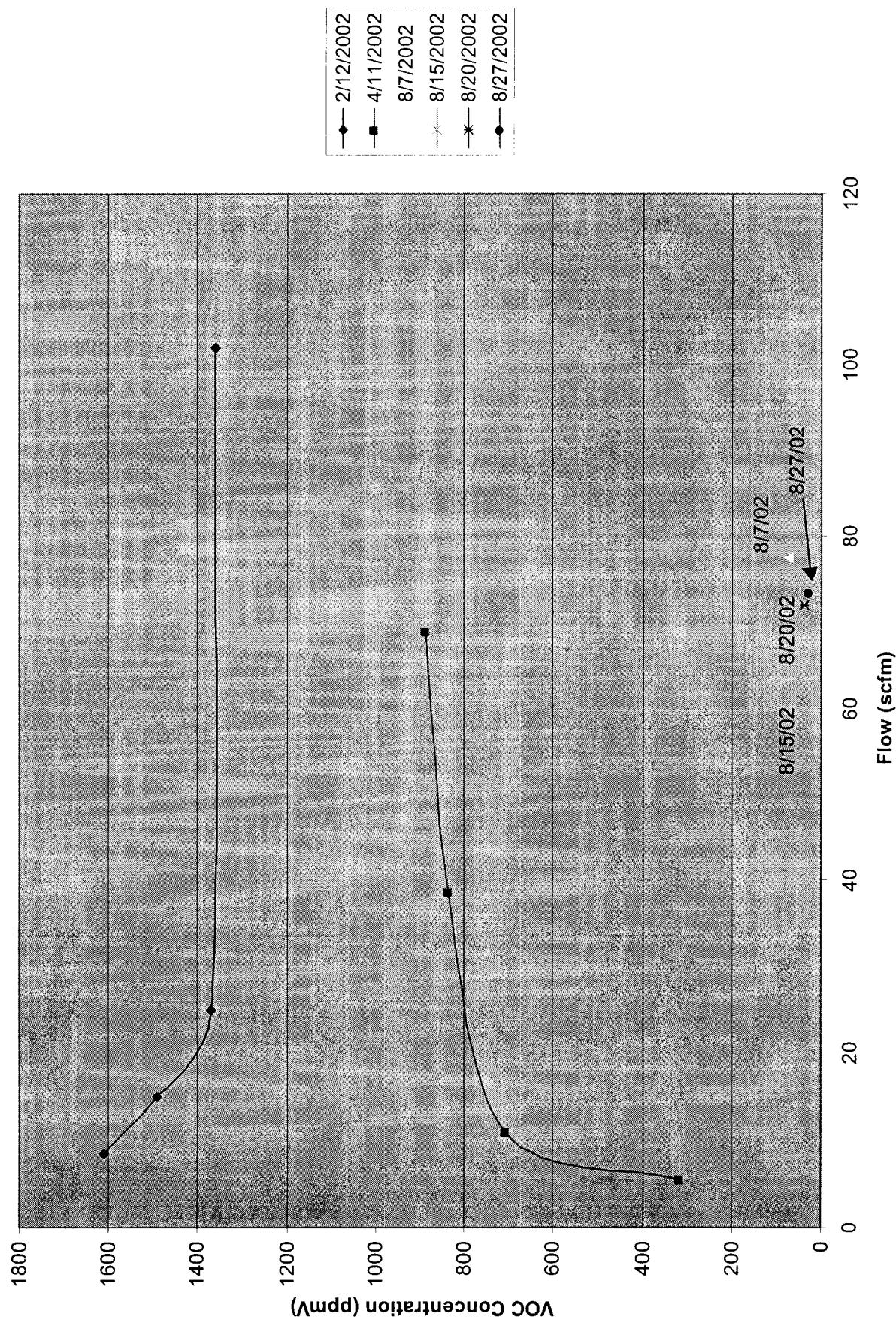
2-VIEW-12



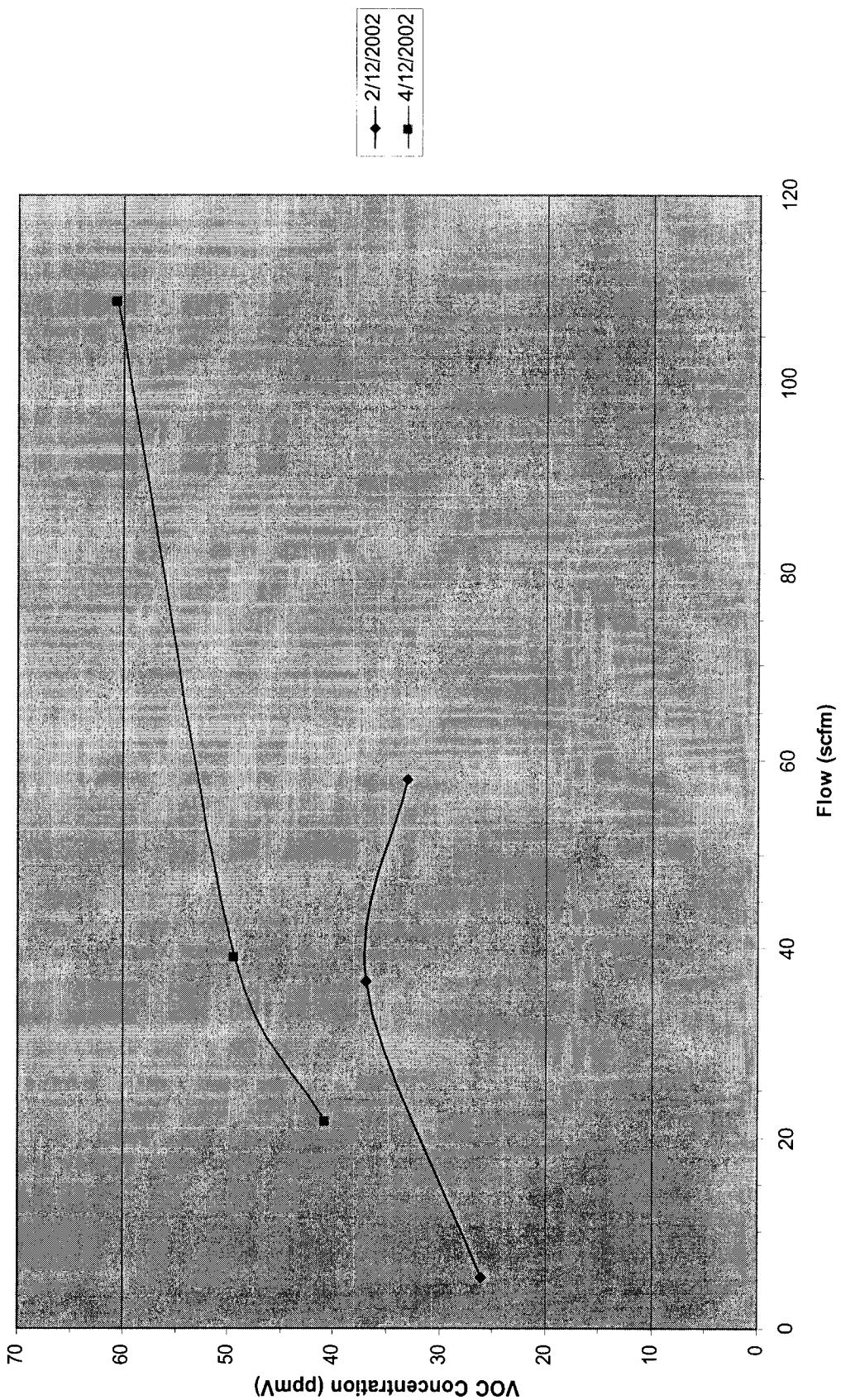
2-VIEW-13A



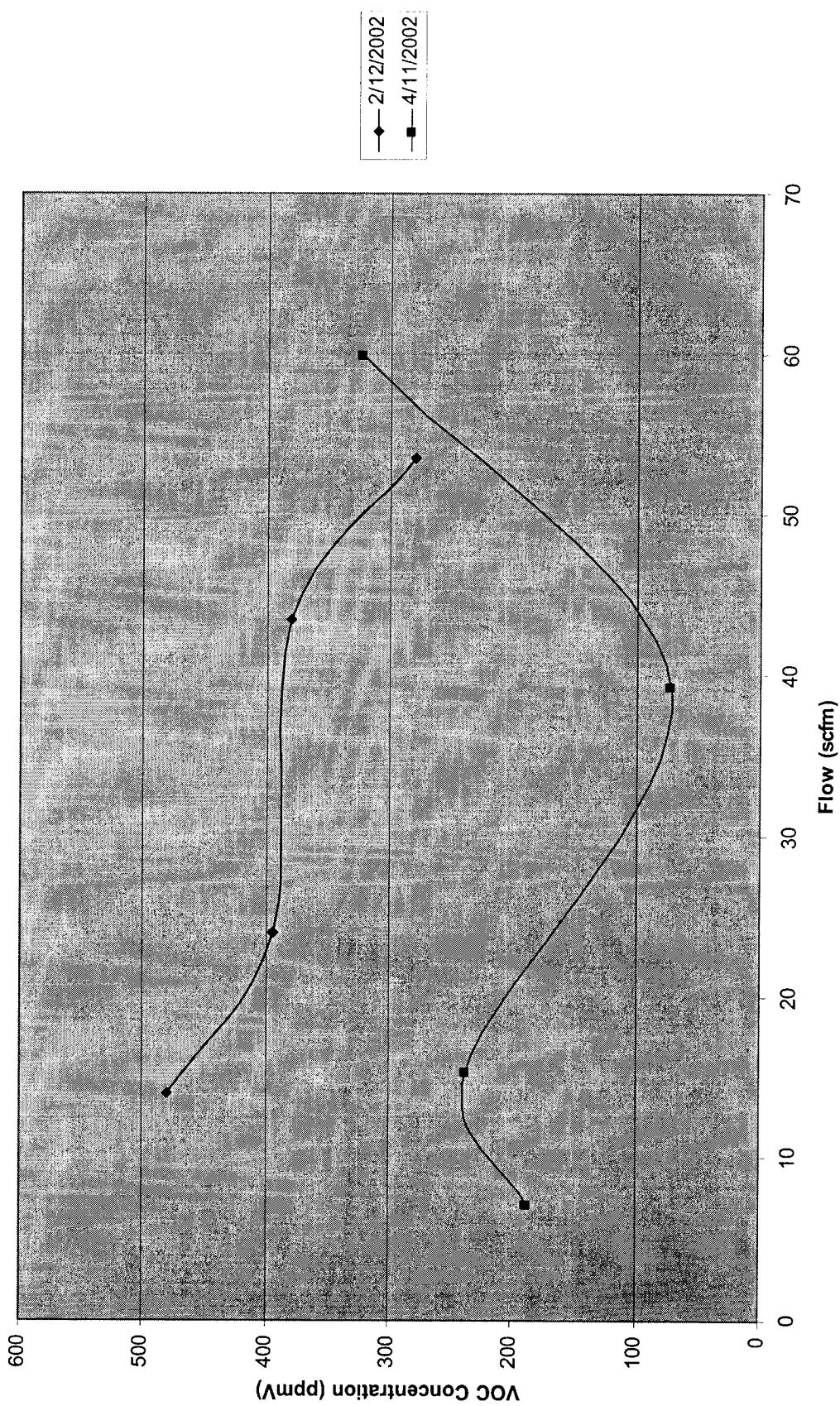
**2-VIEW-13B**



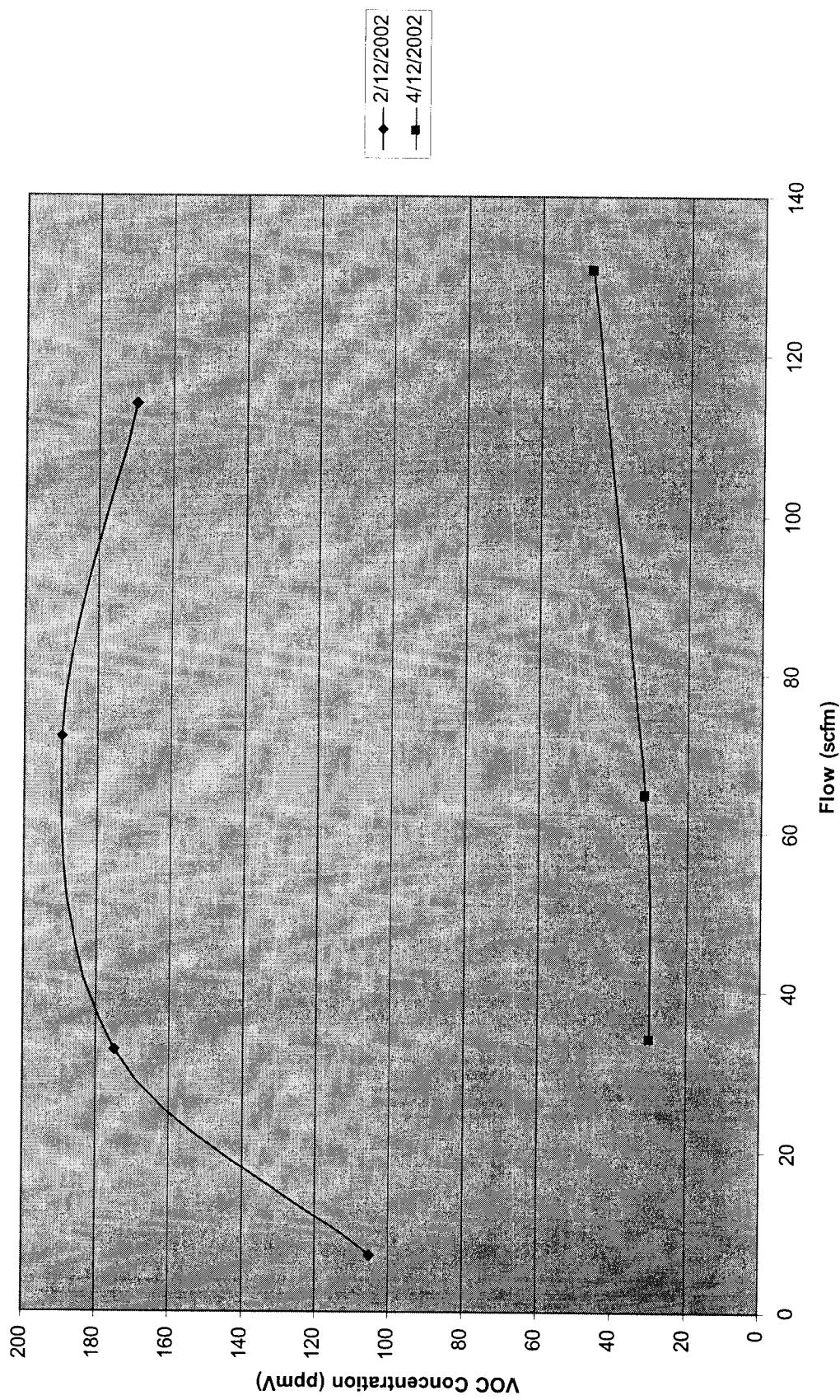
**2-VIEW-14A**



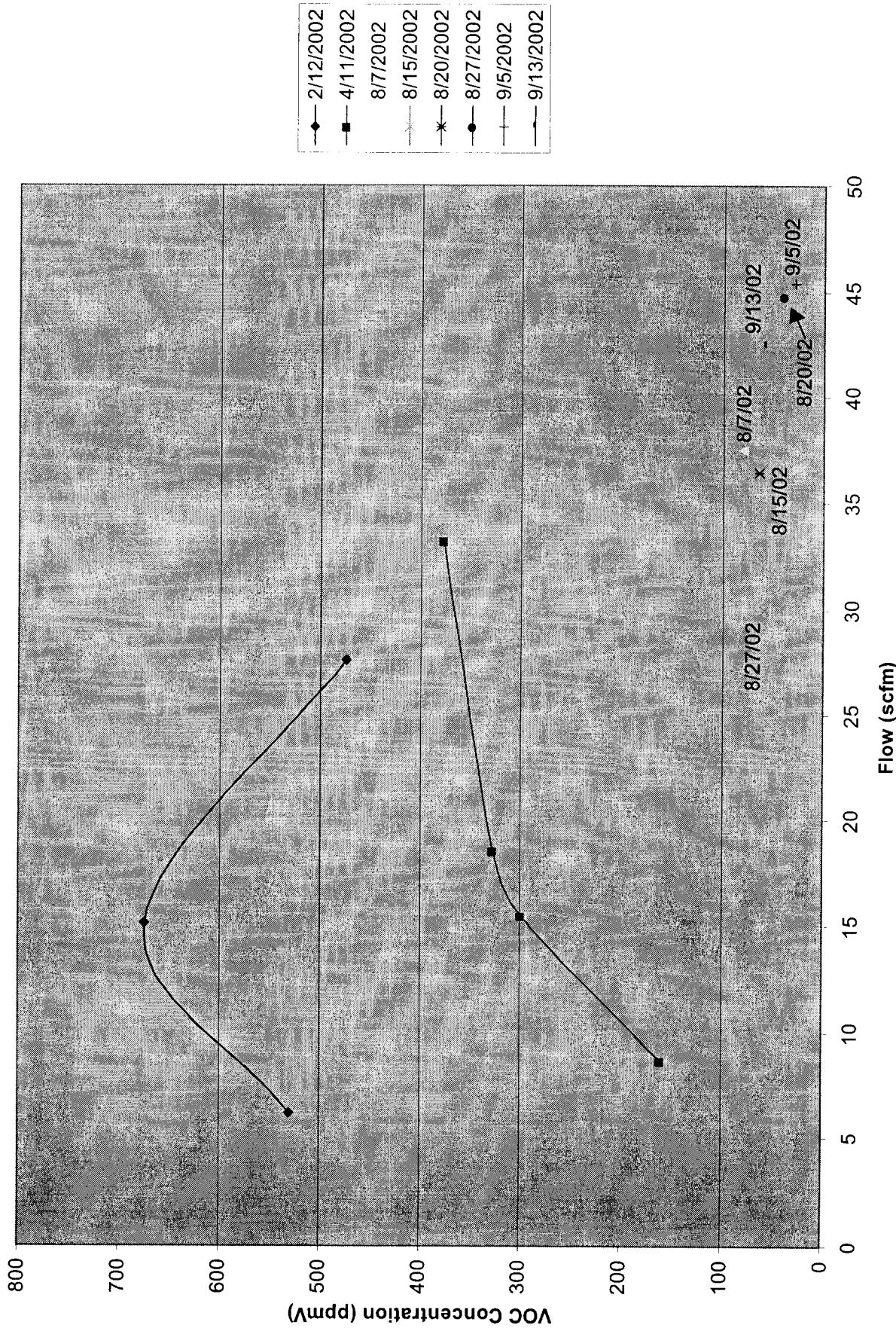
2-VEW-14B



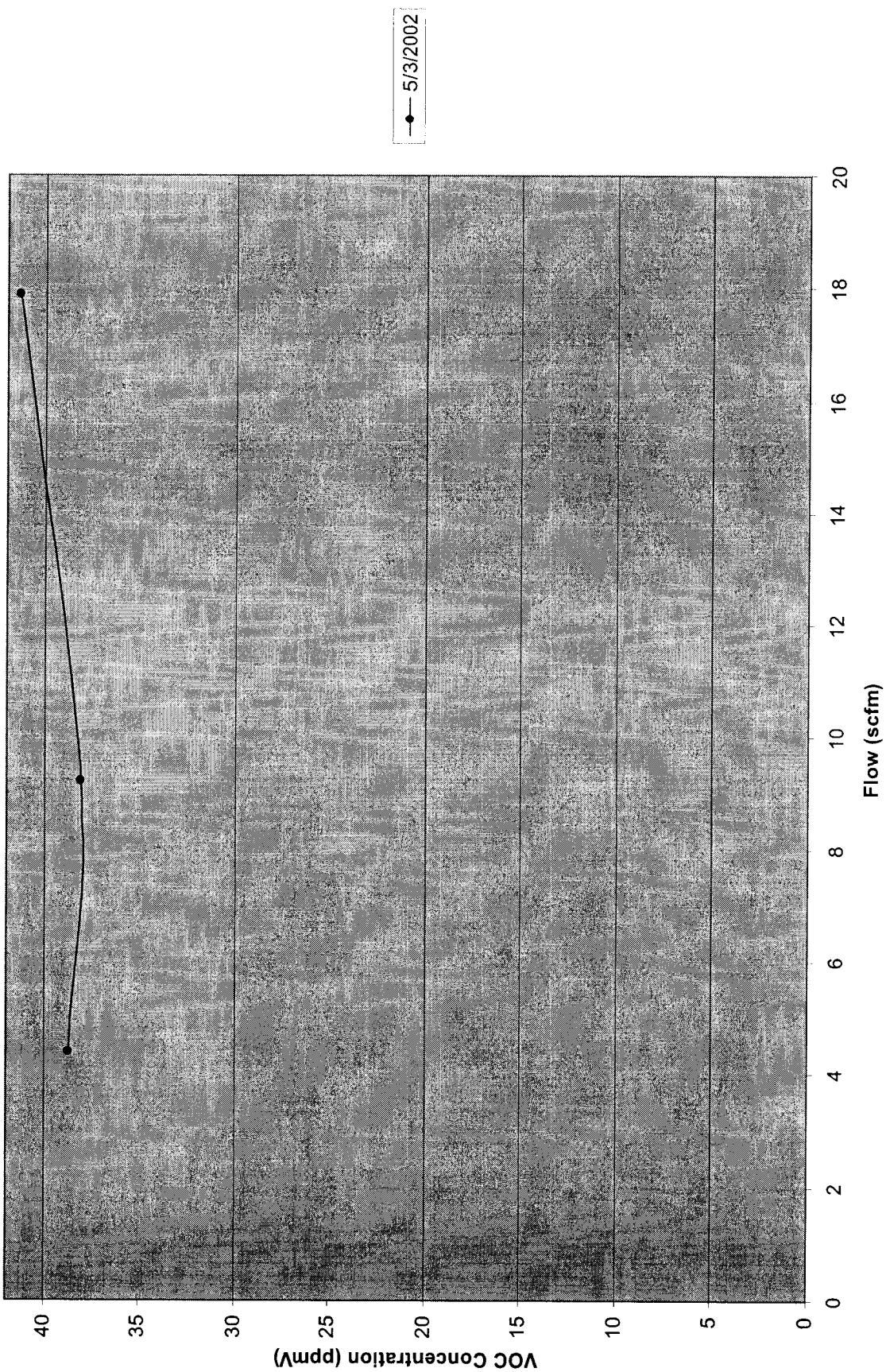
2-VIEW-15A



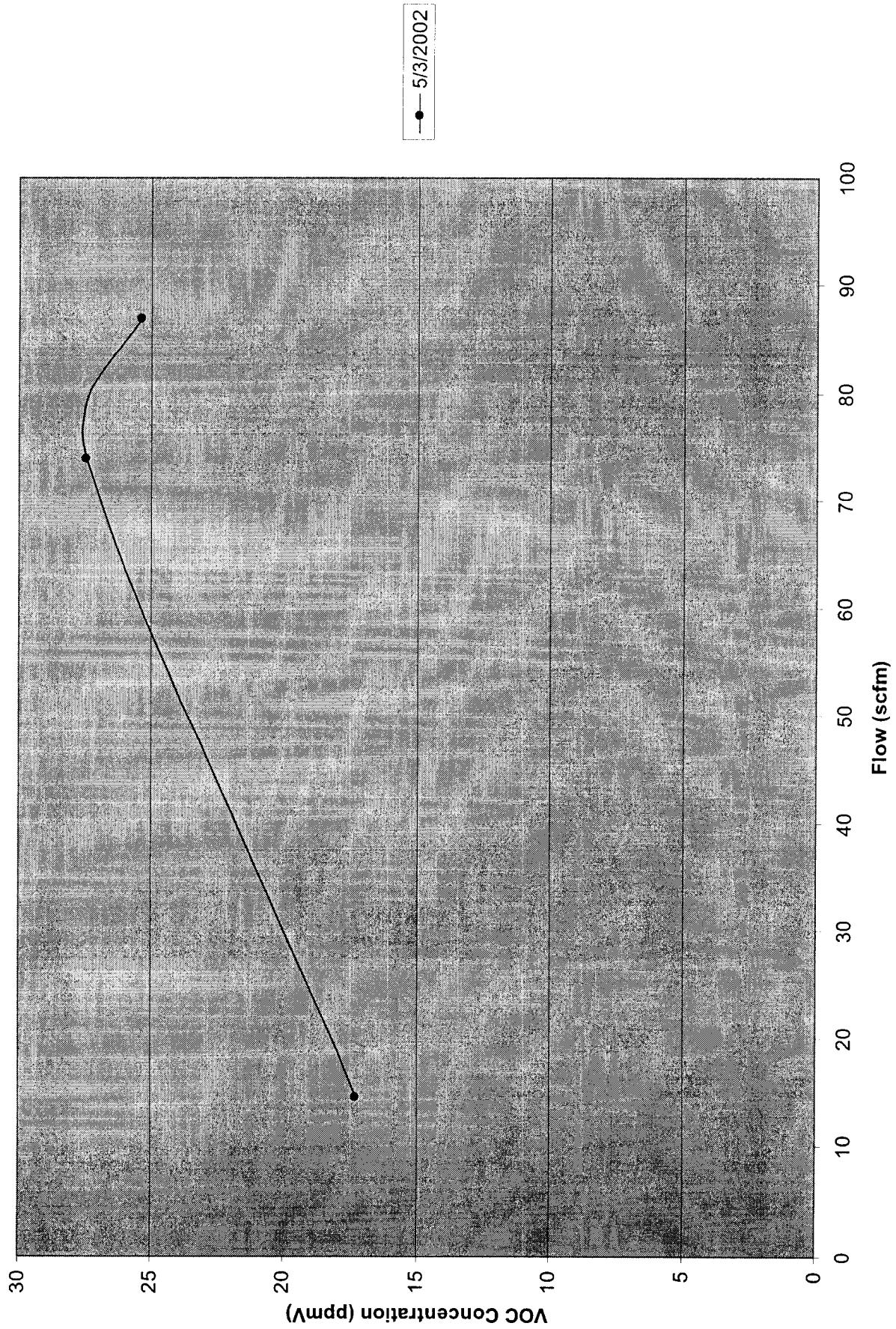
2-VIEW-15B



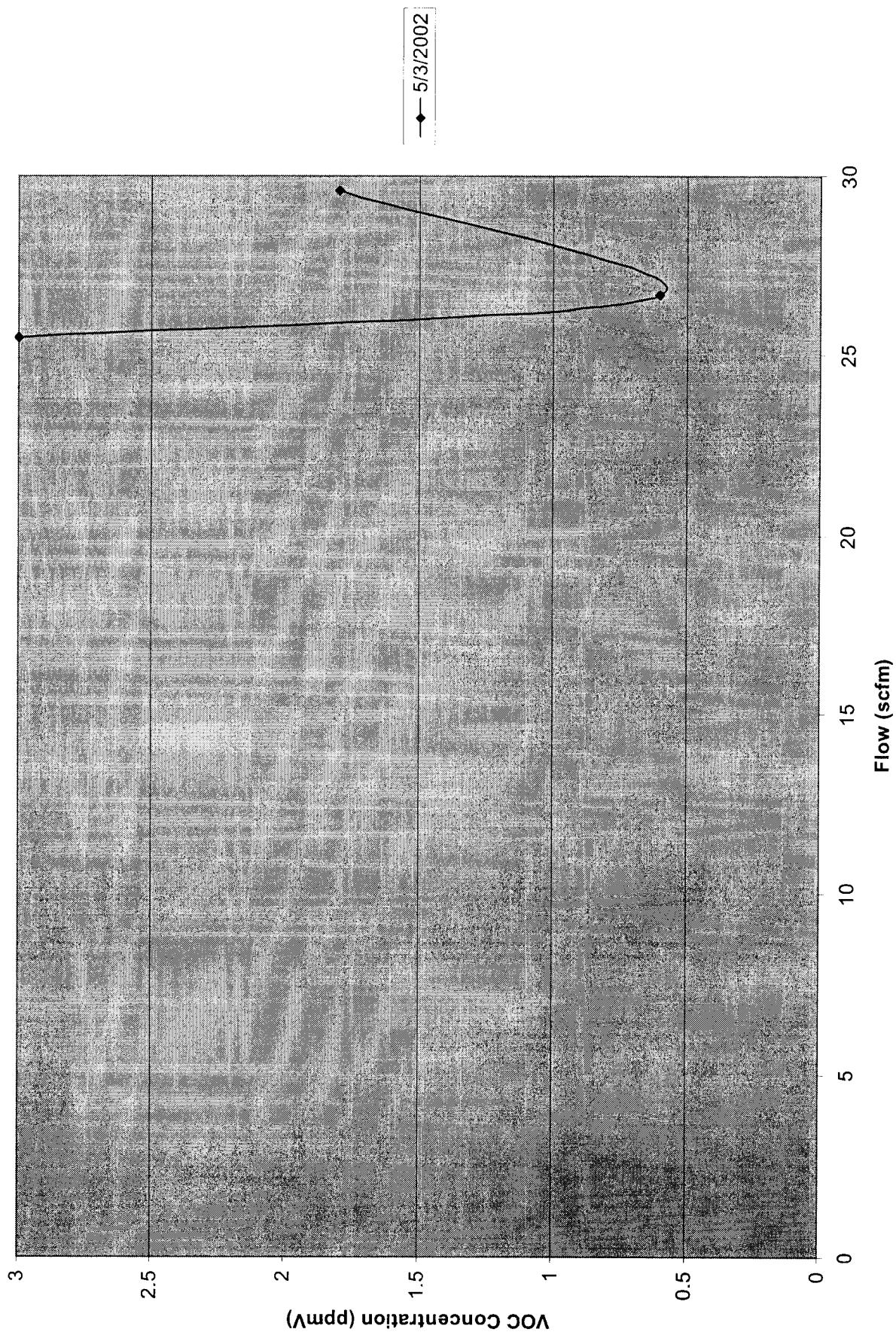
2-VIEW-16A



2-VIEW-16B

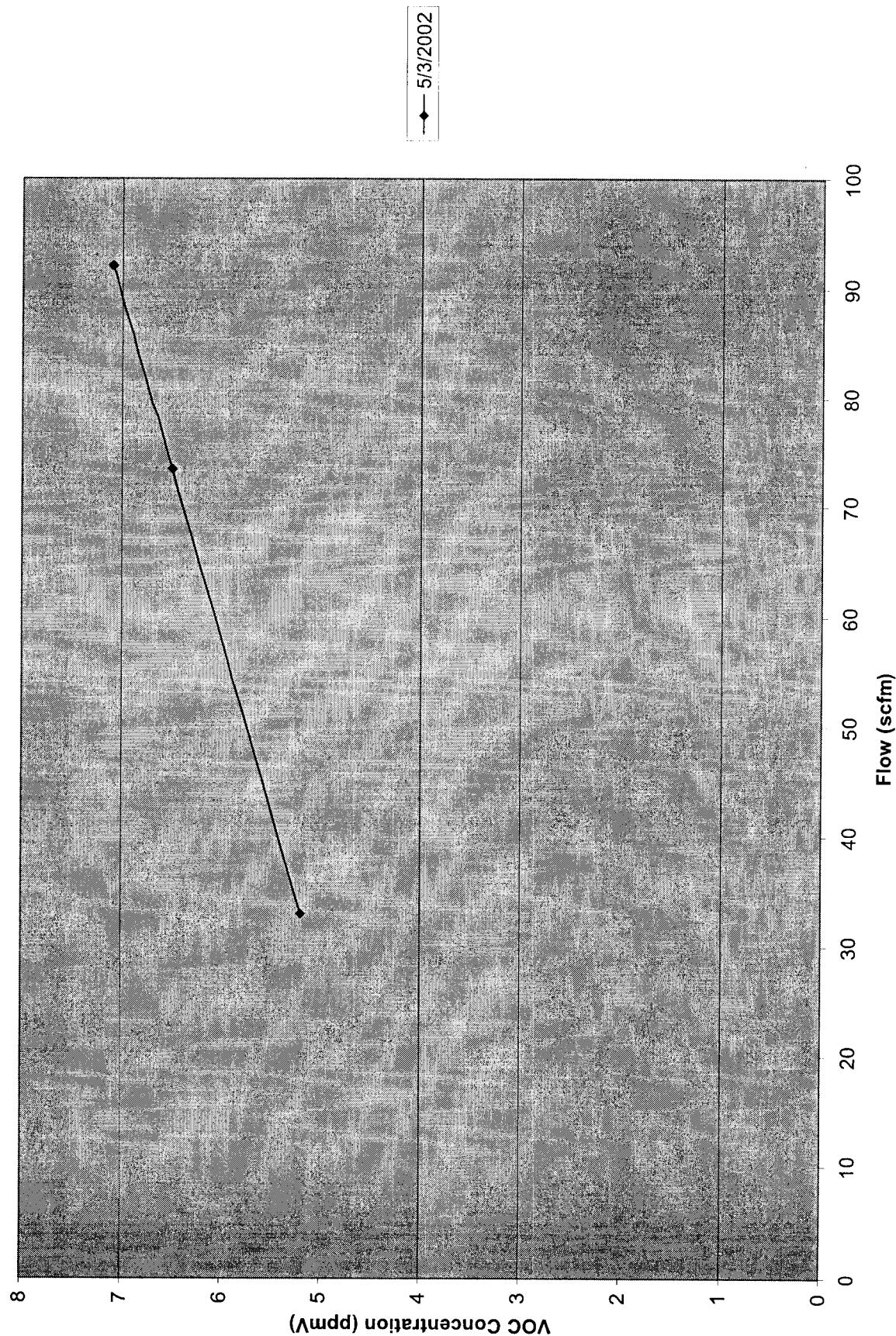


2-VIEW-17A

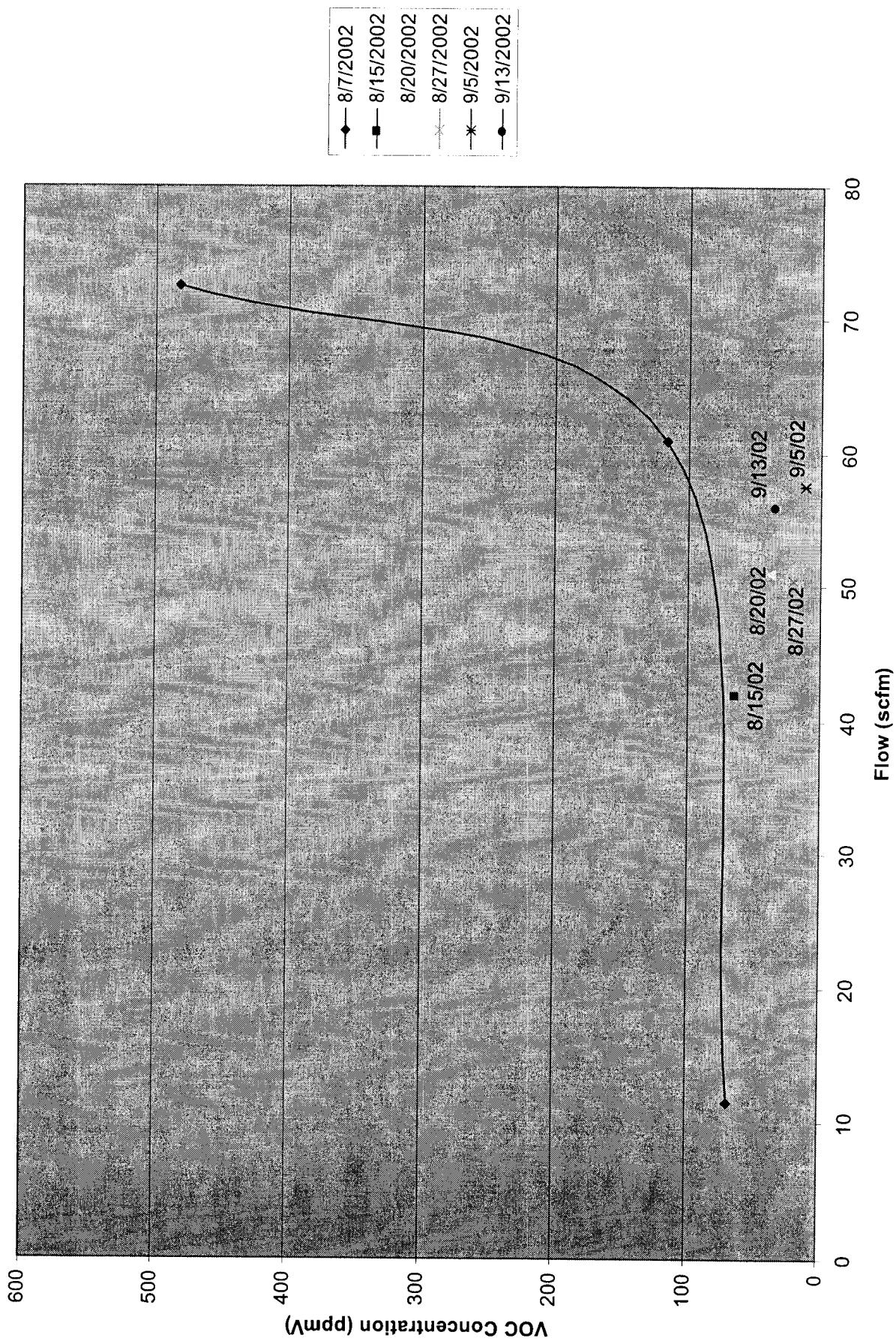


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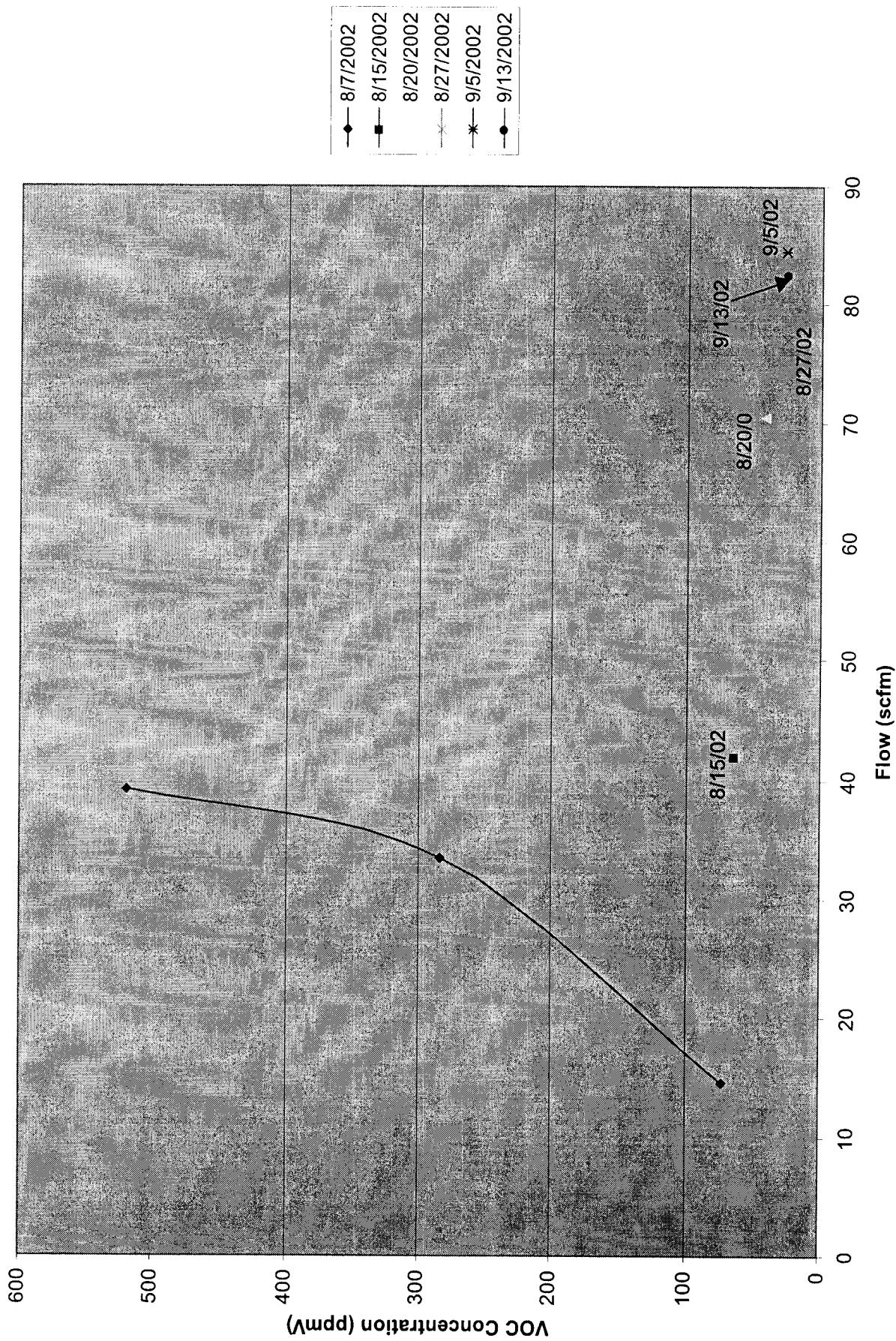
2-VIEW-17B



2-VIEW-18



2-VIEW-19



2-VIEW-20

